PUBLIC WORKS DEPARTMENT

(BOMBAY PRESIDENCY)

ADMINISTRATION REPORT FOR THE YEAR 1919-20

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PART II

IRRIGATION WORKS

ACCOUNTS AND STATISTICAL STATEMENTS

(Part I—Civil and Military Works—is issued separately)

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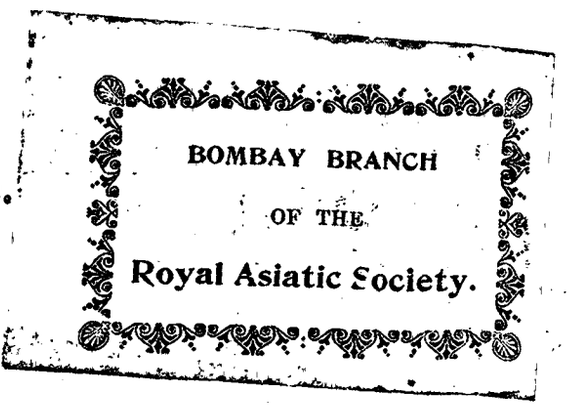

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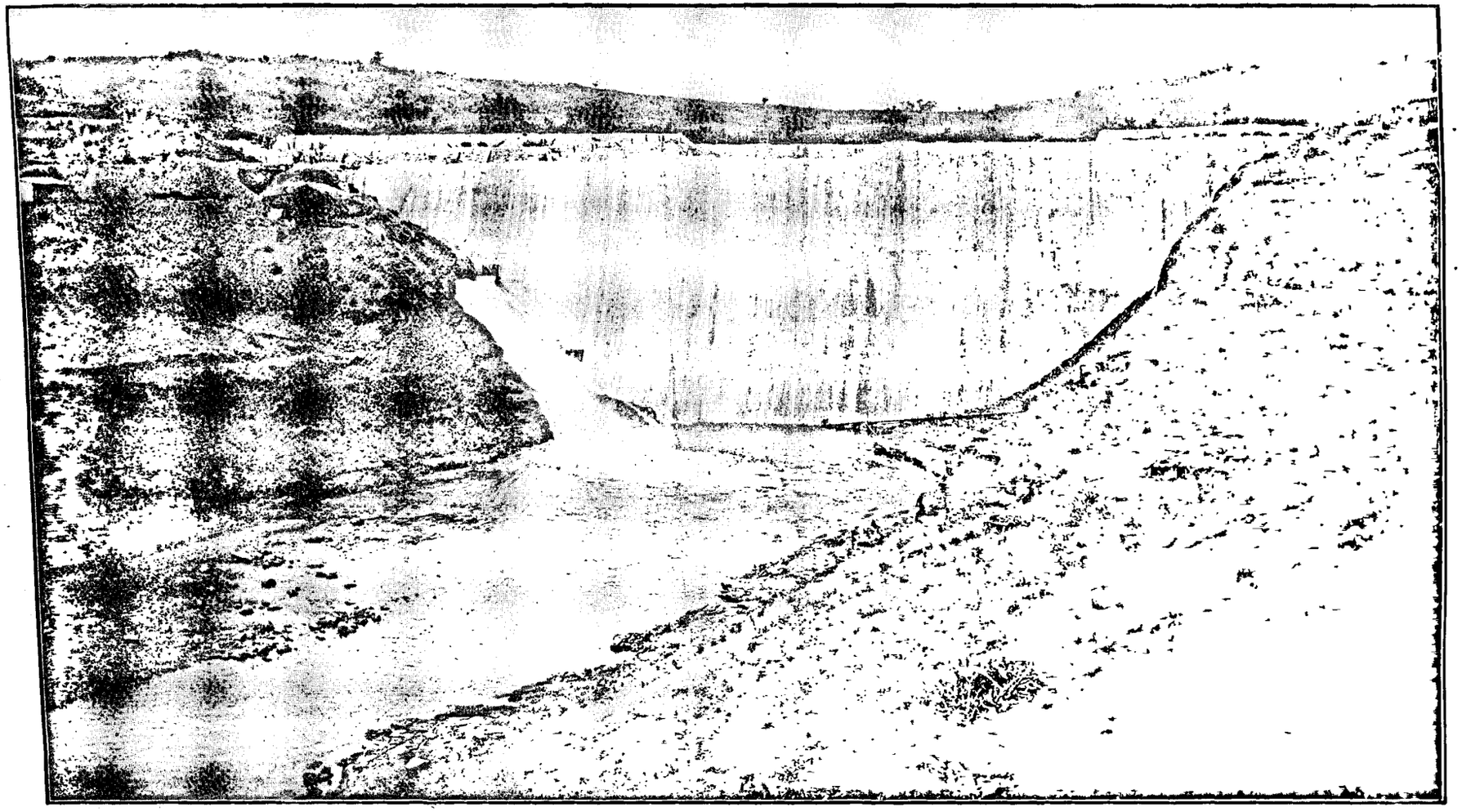

LAKE ARTHUR HILL DAM.

General View of the Dam.

ADMINISTRATION REPORT

OF

IRRIGATION WORKS IN THE BOMBAY PRESIDENCY FOR 1919-20.

I—GENERAL.

A—DETAILS OF DIRECT EXPENDITURE:

In the year 1919-20 the direct expenditure (excluding collection charges) on all the Irrigation Works throughout the Presidency amounted to Rs. 100¾ lakhs compared with Rs. 76 lakhs in the previous year, and Rs. 73 lakhs, the average of the last three years, the total is classified and divided between the Presidency proper and Sind as follows :—

	Deccan and Gujarát.	Sind.	Total.
	Rs.	Rs.	Rs.
Works ...	29,97,996	5,62,630	35,60,626
Repairs ...	4,89,159	34,07,209	38,96,368
Establishment ...	8,97,645	11,64,019	20,61,664
Tools and Plant ...	1,01,947	68,291	1,70,238
Refunds of Revenue ...	10,755	559	11,314
Gratuitous Relief ...	29,508	.....	29,508
Suspense Account ...	3,26,355	21,513	3,47,868
Receipts on Capital Accounts ...	—3,729	.....	—3,729
Total ...	48,49,636	52,24,221	1,00,73,857

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2. The distribution of the above expenditure under Major heads of Accounts is given below :—

Heads.	Rs.	Amount.	Remarks.
	Rs.	Rs.	
Capital Account—			
Major Works—			
Protective Works	(a)34,87,139		
Productive Works	1,96,972		
		36,84,111	Imperial.
Minor Works and Navigation—			
Works for which Capital and Revenue Accounts are kept ...	.....	1,08,600	Half Imperial and half Provincial.
Revenue Account—			
Major Works—			
Protective Works	4,06,268		
Productive Works	16,44,248		
		20,50,516	Do.
Minor Works and Navigation—			
Works for which Capital and Revenue Accounts are kept ...	6,04,108		
Works for which only Revenue Accounts are kept	12,91,935		
		18,96,043	Do.
Works for which neither Capital nor Revenue Accounts are kept—			
Agricultural Works	20,20,511		Do.
Contribution Works	10,275		Deposit contribution.
		20,30,786	
Construction of Protective Works	.....	31,895	Imperial.
Famine Relief outlay on Irrigation Works	.....	2,71,906	Three-fourths Imperial and one-fourth Provincial.
Grand Total ...		1,00,73,857	

(a) Includes expenditure in England, Rs. 20,825.

B.—FIGURES FOR CAPITAL WORKS ONLY.

3. The receipts on Capital Irrigation Works alone compared with the years expenditure show a profit of Rs. 26,43,781 in Sind and a loss of Rs. 24,14,978 in the Deccan and Gujarát :—

Class of works.		Direct Receipts.	Indirect Receipts.	Total Direct and Indirect Receipts.	Direct expenditure.		
					Capital	Working expenses (including the share of collection charges.)	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Major Irrigation Works.	Deccan and Gujarât.	16,97,700	4,227	17,01,927	34,87,139	7,04,030	41,91,169
	Sind	2,12,275	29,33,616	31,45,891	1,96,972	15,76,869	17,73,841
Minor Irrigation Works for which Capital and Revenue Accounts are kept.	Deccan and Gujarât.	2,09,187	826	2,10,013	4,587	1,31,162	1,35,749
	Sind	67,998	19,04,463	19,72,451	1,04,013	5,96,707	7,00,720
Total, Deccan and Gujarát ...		19,06,887	5,053	19,11,940	34,91,726	8,35,192	43,26,918
Total, Sind ...		2,80,263	48,38,079	51,18,342	3,00,985	21,73,576	24,74,561
Grand Total, Deccan and Gujarât and Sind 1919-20		21,87,150	48,43,132	70,30,282	37,92,711	30,08,768	68,01,479
Grand Total, average of last three years ...		17,54,803	45,14,569	62,69,372	26,72,551	26,15,881	52,88,432

4. The area under irrigation showed an increase of about 8 per cent. on the average of the last three years. These areas and estimated values of crops grown are contrasted in the following statement :—

Class of works.	Area.			Value.		
	1919-20.	Average of 3 years ending 1918-19.	Difference.	1919-20.	Average of 3 years ending 1918-19.	Difference.
	Acres.	Acres.	Acres.	Rs.	Rs.	Rs.
Major Works—						
Deccan and Gujarat ...	189,962	122,413	67,549	2,92,41,020	1,95,90,922	96,50,098
Sind	1,357,585	1,285,550	72,035	4,93,43,008	3,97,38,600	96,04,408
Total ...	1,547,547	1,407,963	139,584	7,85,84,028	5,93,29,522	1,92,54,506
Minor Works—						
Deccan and Gujarat ...	52,354	39,807	12,547	32,08,996	23,83,494	8,25,502
Sind	1,020,314	9,82,375	37,939	2,63,20,895	2,22,76,960	40,43,935
Total ...	1,072,668	1,022,182	50,486	2,95,29,891	2,46,60,454	48,69,437
Grand Total ...	2,620,215	2,430,145	190,070	10,81,13,919	8,39,89,976	2,41,23,943

C.—FIGURES FOR OTHER THAN CAPITAL WORKS.

5. These may be works for which only Revenue Accounts are kept, or works for which neither Capital nor Revenue Accounts are kept. The former are termed Second Class Irrigation Works in the Presidency (excluding Sind). The receipts on these works are principally in the form of a share of the Land Revenue and are termed "Indirect" and as such are book credits, so that figures of revenue appearing in the *Finance* Accounts, as distinguished from the Statistical Statements, accompanying the *Irrigation* Administration Report, are very small, being for direct revenue only, viz., *proceeds from* sale of water, etc. The area of irrigation on these very numerous works is *always large*,

but it fluctuates to some extent with the seasons. The following statements give a comparison of this year's and the average of the last three years' figures :—

Class of works.	Revenue.			Expenditure.	Net Revenue
	Direct.	Indirect.	Total.		
Minor Works—	Rs.	Rs.	Rs.	Rs.	Rs.
Works for which only Revenue Accounts are kept. Deccan and Gujarat.	33,831	5,12,060	5,45,891	2,98,403	2,47,488
Works for which only Revenue Accounts are kept. Sind ...	52,075	25,51,776	26,03,851	11,97,971	14,05,880
Total for 1919-20 ...	85,906	30,63,836	31,49,742	14,96,374	16,53,368
Average total for triennium ending 1918-19 ...	84,377	28,08,786	28,93,163	12,06,559	16,86,604
Works for which neither Capital nor Revenue Accounts are kept. Deccan and Gujarat.	15,148	.....	15,148	60,218	—45,070
Works for which neither Capital nor Revenue Accounts are kept. Sind ...	11,667	9,39,849	9,51,516	20,47,293	—10,95,777
Total for 1919-20 ...	26,815	9,39,849	9,66,664	21,07,511	—11,40,847
Average total for triennium ending 1918-19...	31,580	9,46,104	9,77,684	12,45,590	—2,67,906
Grand Total for 1919-20 ...	1,12,721	40,03,685	41,16,406	36,03,885	5,12,521

NOTE.—In this report whenever the average is referred to, it is the average of the last three years unless otherwise defined.

Class of works.	Area.			Value.		
	1919-20.	Average of 3 years ending 1918-19.	Difference.	1919-20.	Average of 3 years ending 1918-19.	Difference.
	Acres.	Acres.	Acres.	Rs.	Rs.	Rs.
Minor Works—						
Works for which only Revenue Accounts are kept—						
Deccan and Gujarat ...	158,820	165,882	-7,062	58,32,627	45,91,907	12,40,720
Sind ...	1,080,012	1,020,104	59,908	3,03,25,471	2,45,05,567	58,19,904
Total ...	1,238,832	1,185,986	52,846	3,61,58,098	2,90,97,474	70,60,624
Works for which neither Capital nor Revenue Accounts are kept—						
Deccan and Gujarat ...	1,911	1,695	216	1,20,262	95,707	24,555
Sind ...	24,374	31,309	-6,935	7,86,414	8,67,339	-80,925
Total ...	26,285	33,004	-6,719	9,06,676	9,63,046	-56,370
Grand Total ...	1,265,117	1,218,990	46,127	3,70,64,774	3,00,60,520	70,04,254

D.—REVIEW OF IRRIGATION.

Description of Irrigation.

6. The conditions of cultivation in Sind are entirely different from those in the Deccan and Gujarát. In Sind the rainfall is usually negligible and the cultivation depends almost entirely on canal irrigation which is dependent on the inundation of the river Indus.

Inundation and rainfall in Sind.

7. The inundation of 1919 was excellent. The rainfall was irregular; it caused very great damage to crops where it was excessive, but proved to be beneficial to them where it was moderate.

Irrigation and rainfall in the Deccan and Gujarat.

8. In the Deccan and Gujarát the cultivation depends upon rainfall and the tanks and canals are useful for the purpose of growing more valuable crops or to counteract, if necessary, the evil effects of a deficient rainfall. The irrigation schemes in this part of the country involve the construction of storage reservoirs and are costly in comparison with those in Sind. The rainfall of the year was generally satisfactory and well distributed.

Area irrigated and gross revenue.

9. The area irrigated in Sind during the year was nearly 3½ million acres as against 2½ million acres of the previous year and the gross revenue amounted to Rs. 86¾ lakhs against Rs. 64¾ lákhs of the previous year.

10. The total area irrigated in the Deccan and Gujarát was over 4 lákhs of acres against 3½ lákhs of acres of the previous year and the gross revenue from all sources was about 24¾ lákhs of rupees which showed an increase of nearly 7¾ lákhs over that of the previous year.

II —SIND.

1—NATURE OF INUNDATION AND RAINFALL.

Character of the inundation.

11. The inundation of 1919 was one of the best on record, except that the river dropped rather suddenly early in September, and was in marked contrast to that of 1918, which was the lowest on record.

12. The river began to rise in the beginning of June and continued to do so, with slight fluctuations, till it reached the level of 13 feet at Bukkur on the 23rd July. This level was maintained for a period of 30 days while it was never reached in 1918. On the Kotri gauge the "fair irrigating level" of 17 feet was first registered on the 28th June. This level was maintained for 81 days as against 39 days in 1918, 73 days in 1917 and 66 days, the average of the previous 3 years.

13. The highest readings for the year were 14·7 feet on the Bukkur gauge on the 15th August, and 22·4 feet on the Kotri gauge on the 21st August, as compared with 11·8 feet and 19·5 feet on the Bukkur and Kotri gauges respectively in 1918, and the recorded maximum readings on these two gauges of 17·9 feet and 23·8 feet respectively.

Rainfall.

14. The rainfall for the year was irregular. It was moderate in some places, where it was beneficial to crops, while in others, such as the Karachi Canals District, it was very excessive and caused very great damage.

2—INDUS RIGHT BANK DIVISION.

(i)—WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Desert Canal.

15. The Desert canal was opened on the 11th February 1919, over 3½ months earlier than usual, as the head of the channel leading to the original head of the canal was in a favourable condition and as there was a large demand for water for growing cattle fodder and the adhava crop. The head of the channel, however, silted up badly late in the season and the canal ceased to flow on the 13th October, which was much earlier than usual, with the result that the rabi water supply was very much less than that in the previous few years. The length of the channel from the river to the original mouth of the canal is now 16 miles.

16. The full supply gauge reading of 10 feet and over was obtained for 43 days, and the designed discharge for 63 days, which is exceptionally good. Had it not been for the sudden silting of the connecting channel the season would have been a record one for the canal Even at the tail of the canal the normal full supply level was exceeded for many weeks which is unusual.

17. The continual increase in the area of rice and rabi cultivation on this canal denotes a marked appreciation of the good supply which, owing to a good system of regulation, is made excellent use of.

18. The Adiowah was opened on the 11th June with 3·1 feet on the gauge at the head and ceased to flow on 12th September.

19. Hitherto this high level canal has seldom worked well and, in order to improve the supply, its bed level was lowered during the previous working season, by 1 foot below its original bed, and the sill of the head regulator was also lowered by 1·44 feet. As this work proved very satisfactory and there was no sign of extra silting, the bed will be lowered still further.

20. Generally speaking, the supply was better and steadier than usual, and the land at the tail received a greatly improved supply, though the water-level never reached the full supply level.

Unharwah.

21. The Unharwah was opened on 24th May and ceased to flow on 27th October. In the previous cold weather improvements were made to the feeder channel with the object of diverting the flow along the most favourable alignment, and the canal worked well during the whole season. The supply fell off somewhat in the last week of September and rotations had to be resorted to till the canal stopped flowing.

22. The full supply gauge reading of 10 feet was registered for 29 days and the designed discharge of 1,675 cusecs and over was obtained on 65 days. The construction of an inlet and outlet sluice in the bund compartment above the Tori stop gates proved most successful and this reservoir water proved to be of great use for rabi cultivation.

23. A few breaches occurred during the season but caused no damage to public or private property.

Begari Canal.

24. The Begari canal was opened on 25th May 1919 with an initial gauge reading of 3 feet and ceased to flow on 19th February 1920.

25. There was little demand for water in June, but full supply was maintained in July and August at all regulators. Rabi rotations were started on 15th September and full supply was given by rotations to the off-takes above the 6th and 19th mile regulators.

This level could not however be maintained at the 38th mile regulator and the Nurwah did not therefore get a good supply in September. Deficiency was, as usual, felt in the Eden and Sir canals owing to increased rice cultivation in the higher reaches.

26. Erosion of the banks occurred at miles 4/7 and 33/2 and steps were immediately taken to remedy this.

27. The favourable and late supply was, to a great extent, due to groyning work in the supply channel from the river to the old head regulator which was kept to a uniform bed-width by this means with the result that these miles were absolutely clear of silt.

28. The supply in the Choi branch was very good, even after the fall of the river in September. Improvements have been carried out in this branch which is gradually getting into better working order.

29. The Mahiwah was opened on 3rd June 1919 with all its branches and distributaries and worked very well throughout the season. Mahiwah

30. The effect of the river cutting into the Gudu Dhand, mentioned in the last year's report, resulted in a very good supply at a higher level.

31. The combined effects of the above change and improvements recently made would have shown a marked increase in the area under cultivation, but, as a result of the last year's low inundation, the cultivators did not attempt to bring under cultivation large areas till it was too late. It is anticipated that many cultivators who have left the Deharwah area will gradually return to their old fields.

32. The Sehar Canal Remodelling Project has been sanctioned by the Government of India, but work cannot be commenced until a "close" contour survey is completed and the alignment of the branches is finally settled. Sehar Canal.

33. The Sukkŭr canal was opened on 4th June and worked very satisfactorily throughout the season. Sukkur Canal.

34. The Dhoro which supplies the Rahuja head of the Sukkur canal ceased flowing early in the previous season owing to the usual silting at the head of the "Dhand". A feeder channel running close to the "pucca" bank was cleared but not to sufficient depth and breadth with the result that extra water had to be given to the Rahuja head from the old downstrean head of the Dhoro which was opened on 13th June. From this date onwards throughout the season the supply was very good.

35. The gauge at the Shikarpur road bridge (3/6 mile of the canal) read one foot above full supply level, *i.e.*, 18 feet, for 20 days, the previous maximum admitted being 17·5 feet only. This improvement was the result of the recent raising and strengthening of the canal banks.

36. On the 16th August the embankment at the lower end of the old head of the canal was washed away owing to a sudden rise in the river and owing to the displacement of some of the needles in the old head regulator. The water at the Shikarpur road bridge rose to a level of over 20 feet for a few hours. No damage was, however, caused except a few breaches which were promptly closed.

37. Owing to the previous year's drought the canal was allowed to flow throughout the rabi season and was closed for repairs on 8th April 1920.

38. In the Kur Khairo and Kur Biro full supply was maintained throughout the season. There was a deficiency, however, at their tails, as usual, owing to their insufficient gradient, and also to the heavy draw-off in the upper reaches where the water courses have no masonry sluices. Steps are gradually being taken to remedy these defects.

39. The Ghar canal was opened on 10th May 1919, *i.e.*, a fortnight earlier than usual, as there was a great demand for an early supply owing to the previous season's drought. Ghar Canal.

40. During the season the gauge at head rose to 12·7 feet, which was a record reading, the previous maximum being 12·6 feet. The gauge at Larkana registered 16·8 feet or half a foot higher than the previous record. The surplus water on this unregulated canal was allowed to escape through a cut on the left bank of the canal in mile 3/1 and was passed into forest and waste land.

41. The canal worked most satisfactorily and ceased to flow on the 9th January 1920.

42. Owing to the big bund constructed 3 years ago in the Ghar Dhand below the Ghar canal head the level of water in the canal has been very appreciably raised relative to the same readings on the Bukkur gauge. This bund has also caused the Ghar canal, in its upper reaches, to gradually scour out its bed and thus improve the supply with a lower river.

43. The Fordwah, a feeder to the Ghar canal entering at about the middle of its length, was opened on 28th May 1919 but had to be partially closed practically throughout the season, owing to the improvement in the supply entering the main canal.

44. The Ghar canal at the tail bifurcates into the Naurangwah and the Nurwah, which commenced flowing on the 12th May 1919. The maximum reading of the gauge at their heads was 13·10 feet which had not been recorded during the last 10 years. The Naurang ceased to flow on 2nd November and the Nurwah on 25th October.

45. The Nasrat *ex* Ghar, which was formerly a branch of the Ghar canal, now takes off from the Ghar Dhand. It was opened on 1st May and ceased to flow on 4th October 1919. The canal worked satisfactorily throughout. The cross regulator at the 9th mile was kept partially closed for the benefit of the high lands in the first 9 miles, and to save flooding at its tail. With a view to utilizing its surplus water, the canal is being extended to feed the Kurshah, a branch of the Ghar system, which suffers from chronic deficiency. This extension will also serve as an escape for the tails of the Mirwah and Hirawah and will protect the town of Mirokhan from being flooded.

Sattah Canal.

46. The Sattah canal takes off from the Sattah Naro which is fed direct from the river Indus on the left bank. This canal commenced flowing on the 23rd May 1919 and worked very well.

(*ii*) Works for which only Revenue Accounts are kept.

47. The principal canals under this head are the Sind, Western Nara, Pritchard, Pinyari, Kalri and Baghar canals.

Sind Canal.

48. The old Sind canal was opened on 20th May 1919. It worked satisfactorily and flowed with its full supply depth of 8·5 feet for 74 days. It ceased to flow on 12th September 1919 owing to silting at the head due to erosion in the river above it. The kharif and dry crops were good. Much land was flooded for rabi. Colonel Fife's channel also worked very satisfactorily. A full supply level of eleven feet was available for 73 days. The banks of the canal are gradually being strengthened to take a depth of 12·5 feet so as to make use of the available supply when required.

Western Nara.

49. The canal was opened on 1st May 1919 with the Bukkur gauge reading 6·4 feet. The regulator at its head was gradually opened to avoid any chance of breaches in the Mehar Sub-division and remained fully opened from 28th May to 20th July 1919 when the supply was regulated according to requirements. Only 11·5 feet to 12 feet of water was allowed at the head from 28th July to 11th August. After this date the full supply level, 12·8 feet was maintained upto 24th August when it was again cut off until the gauge registered 10·0 feet on the downstream side on 31st August 1919.

50. The canal worked most satisfactorily during the season and stopped flowing on 2nd January 1920 when the gauge at Bukkur recorded 1·1 foot. Improvements to the feeder to Gharo B costing Rs. 50,000 were undertaken and these contributed to a large extent to the satisfactory results. A large bund in the Fordwah Dhand, similar to the Bund constructed in recent years in the Ghar Dhand, rendered it possible to keep the Fordwah and Western Nara supplies separate. Surplus water from the Ford Dhand now enters the Gharo B by over-topping its sides instead of by means of the escape Dhand. Formerly the Fordwah back-water silted the Gharo B, but since the bund was constructed, Gharo B has scoured instead of silted and the Fordwah Dhand feeder is also working very well.

51. The New Feeder takes off from Kambrani Dhand *ex* river Indus and joins the Western Nara at mile 33/0. This Feeder was opened on 10th June to supplement the supply in the Western Nara, with a view to make up for the volume taken away by the Dhamrao canal. It remained wholly opened until 21st July, after which date the regulator was practically closed upto 12th September to avoid the danger of breaches, thereafter it was fully opened. The Feeder ceased to flow on 29th September 1919.

Pritchard Canal.

52. The Pritchard Canal, which is the second feeder of the Western Nara was opened on 22nd May and worked very satisfactorily. It began flowing with the gauge reading only 2·5 feet less than Bukkur. Owing to the excellent supply in the river the head regulator had to be partially closed on June 26th and was not again fully opened until September 17th, a period of 2 months and 21 days. During this time the maximum difference between the upstream and downstream gauges was 6·9 feet on 7th August, the gauge reading being 15·4 feet and 8·5 feet. The previous maximum gauge reading was 15·6 feet in 1908. There were several breaches above the regulator on both sides which were allowed to act as escapes.

53. Erosion going on at Channa above the mouth produced a heavy deposit of silt in the canal to a depth of 4 to 5 feet which threatened to curtail the supply at the end of the season. Fortunately, the river remained high and the accumulated silt was scoured out.

54. The canal ceased to flow on 3rd December 1919 when the gauge at Bukkur recorded 2·4 feet.

55. The Pinyari canal is 67 miles long and is the chief source of supply to the Pinyari, Sujawal and Shahbunder Sub-divisions. It began to flow on the 6th February 1919. On the 15th of May there was 8 feet water at the head which was sufficient to allow of the opening of the Mahmudawah, the most important branch canal of the Pinyari. The usual rotations at Darro and Shorwah regulators were enforced while the Pinyari was flowing below full supply level. These rotations proved most beneficial. Pinyari.

56. The crops were excellent and abundant except in those areas which were flooded by the abnormal rains and also by flood water from the serious Bal Bund breach.

57. A head regulator for the Mahmudawah has been sanctioned and a project for cutting a new escape drain from the Gungro Chandan to the sea, so as to give a good tail to the whole of the Mahmudawah system, has also been sanctioned.

58. The Kalri canal takes off from the river on the right bank near Luka and runs south-west through the interior of Tatta Taluka and tails into the Mirpur Sakro Taluka. Kalri.

59. The canal began flowing on 14th June 1919. The removal of two large bends last year resulted in a higher level of water at the tail. During the early part of the season, owing to the late rise of the river, there was some deficiency in the supply, but later on conditions were greatly improved.

60. The Baghar canal is one of the Deltaic mouths of the river Indus taking off from the right bank of the river near Tatta. It runs through the Baghar Sub-division and tails into the sea through the Sheikha creek. It began flowing as early as 1st April when Kotri read 10·2 feet, and ceased to flow on 10th November 1919. Baghar Canal.

61. The following are the principal works, under the head "works for which only revenue accounts are kept," which were either in progress or completed during the year under report:— Works in progress or completed.

WORKS IN PROGRESS.

		Expenditure during 1919-1920.
	Western Nara District.	Rs.
1.	Constructing a Head Regulator over the Chandan Vacchero Canal	2,666
2.	Constructing a straight cut to Kakolewah	1,910
	Karachi Canals District.	
3.	Constructing a cross regulator at Taki 88 of Mahmudawah ...	4,423
4.	Constructing a cross regulator at Taki 86 of Ganj Bahar ...	1,608
5.	Constructing a cross regulator at Taki 1 of Laikpur Canal ...	1,456
6.	Constructing 2nd class Inspection Bungalow at Jati ...	3,048
7.	Constructing Head Regulator over Ghar Marhowah ...	2,837
8.	Constructing a new Regulator over Busanowah	2,588
9.	Constructing Head Regulator over Nasirwah	7,975
10.	Constructing Matlawah	7,702

WORKS COMPLETED.

	Shikarpur Canals District.	
11.	Additions and alterations to the Public Works Inspection Bungalow at Miani	2,887
12.	Constructing a regulator at mile 9/5 of the Lundiwah ...	830
13.	Constructing a regulator at mile 11½ of the Dengro Canal ...	903
14.	Constructing a regulator at mile 9¼ of the Dengro Canal ...	1,219
15.	Constructing a regulator at mile 16/6 of Koraiwah	479
16.	Constructing a regulator at mile 19/6 of Koraiwah	443
17.	Constructing a regulator at mile 4/6 of Mahesro Canal ...	697

3.—INDUS LEFT BANK DIVISION.

(*i*) WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

62. The canals in the Left Bank Division fall under two groups, *viz.*, (*a*) the Eastern Nara system and (*b*) canals taking off direct from the Indus.

63. Under (*a*) are the Nara River, the Jamrao, Mithrao, Khipro, Thar and Hiral canals all of which, except the Khipro which flows during the inundation only, are

semi-perennial. The Thar canal, though classed as perennial, is closed on or about the 1st December each year with a view to save the land under command from becoming water-logged.

64. Under (*b*) are the Dad, Nasrat, Fuleli, Hasanali and a large number of smaller canals. All these are classed as inundation canals though the Fuleli receives a fair supply in the rabi season.

(*a*) *The Eastern Nara System.*

Nara Supply Channel.

65. The Nara Supply Channel taking off from the river Indus on its left bank above Rohri is an artificial channel, 12 miles in length, forming the mouth of the Nara, an ancient course of the Indus. This channel is capable of carrying 20,000 cusecs during a high inundation, but when the discharge exceeds about 5,000 cusecs, water overtops the banks of the Nara below the tail of the Supply Channel and spreads upto the Flood Diversion Bund on the east and the hills on the west.

66. The head regulator of the Nara Supply Channel was kept fully open during the whole of the inundation season. The maximum water level during the year was recorded on the 16th August when it was 22·6 feet on the down stream of the head regulator and 27·2 feet at the 12th mile against 26·5 feet of last year. The Supply Channel worked well during the kharif season. In the rabi season it had silted up to some extent in December owing to active erosion just above its mouth. This combined with a deficient supply of seepage water caused some anxiety for some time regarding the supply to the Jamrao and Mithrao, but the situation steadily improved after December and the clearance of the channel became unnecessary. The necessary repairs, consisting of stone-pitching and groyning in miles 8 to 10, were carried out during the year. An expenditure of about half a lakh of rupees was incurred during the year on the Flood Diversion Bund bringing up the total expenditure on this work to nearly 4¾ lakhs rupees.

The Nara.

67. The length of the Nara from the end of the Nara Supply Channel to the Jamrao Head works is about 96 miles and from the Jamrao to the Thar weir about 100 miles. It commands over 500,000 acres of cultivable land. The area cultivated during the year on the Nara in the Eastern Nara District was about 64,500 acres as against 25,648 acres in 1918-19 and 34,386 acres, the average of the previous three years.

68. The Nara bed is in fairly good condition. Most of the silt deposited below the Makhi Regulator has been scoured away by the construction of an inner line of Bunds which are approaching completion. The Mooral and Bagdad Sang sluices were fully opened from 28th July to 15th September 1919 and a good quantity of water was thus stored in the Makhi Dhand which forms a reservoir for supplementing the rabi supply to the Mithrao. This storage proved most useful.

Jamrao Canal.

69. The capital expenditure on the Jamrao canal during the year amounted to about Rs. 14,000 and was incurred mainly on (1) constructing a regulator at 73rd mile, (2) extending the Bhitaro Minor, (3) constructing a 2nd regulator on the Jamsahib Minor and (4) constructing a distributary near mile 113 of the Jamrao canal. The recoveries from colonists during the year amounted to Rs. 7,415. The canal and its minors were maintained in good order throughout the year.

70. The area cultivated during the year was about 284,000 acres as compared with 231,336 acres last year and 236,389 acres, the average of the previous three years. The area under cotton was about 128,000 acres as compared with 110,855 acres in the last year and 98,670 acres, the average of the previous triennium. Owing to inadequate supply in the rabi season a rotation of four days had to be adopted in December and continued till the end of the season. Wheat which was sown early was damaged by frost in February.

71. On this canal grants of new land to the extent of 8,479 acres were made to cultivators during the year.

Mithrao Canal.

72. In the beginning of the kharif season, the water supply in the Mithrao canal was insufficient from mile 9 to the tail, but the rainfall at the end of July and the judicious distribution of the supply available improved the situation considerably. The canal and its branches worked well on the whole, the only exception being the 30th mile Left Bank Distributary where, as usual, there was difficulty in supplying water to the tail karias.

73. Owing to the construction of the Makhi Left Bank Distributary, no supply was drawn from the first 9 miles of the left bank of the main canal. This distributary with its minor has proved a success but requires certain modifications which will be carried out in 1920-21.

74. The capital expenditure of the year amounted to nearly Rs. 39,000 and was incurred on completing the Makhi Distributaries Right and Left.

75. The area cultivated during the year under report was about 108,600 acres as compared with 106,379 acres in the last year and 116,741 acres, the average of the previous three years.

76. The Hiral canal was opened on 25th April and worked satisfactorily. Although the supply was good, rotations had to be resorted to with a view to maintain a proper distribution. Rice cultivation, temporarily allowed in the Hiral tract, still continues.

77. The cultivation during the year was about 16,400 acres as compared with 12,432 acres in the last year and 13,401 acres, the average of the previous three years.

78. The capital expenditure of the year was about Rs. 14,000 and was incurred on constructing the Head Distributary *ex* Hiral canal.

79. Grants of land to the extent of 1,841 acres were made to cultivators on this canal during the year under report.

80. The Thar canal with its branches worked fairly well during the year. The canal was opened on 15th May and closed on 1st December. For the proper distribution of water rotations had to be resorted to at all the regulators. Thar Canal.

81. The cultivation on the canal during the year was about 51,700 acres against 52,721 acres in the last year and 54,362 acres, the average of the previous three years.

82. The capital expenditure during the year was nearly Rs. 33,000 and was incurred in completing 3rd and 7th mile Distributaries. These distributaries proved a success on the whole though there is deficiency at the tail in both cases, to remedy which steps will have to be taken to regulate the supply by adjusting the sluices to ensure an equitable distribution.

83. The Khipro canal takes off the right bank of the Nara at mile 66. It was flowing from the 1st June to 4th October. As usual the supply was unsatisfactory. Khipro Canal.

84. The cultivation during the year was about 2,600 acres against 2,419 acres in the last year and 3,281 acres, the average of the previous three years.

(b) Canals taking off direct from the Indus.

85. The supply received by the Nasrat canal during the year under report was the most satisfactory that has been obtained during the last 10 years. The Lundi Dhand gave cause for anxiety at the height of inundation when it began to silt in its first 17 takis, but the measures adopted to scour out the silt were successful. The groynes in the Dhand which had been damaged near the mouth, were thoroughly repaired during the year. Nasrat Canal.

86. The banks of the Nasrat canal, which usually breach in miles 14 to 16, where the canal passes through Dhoros, were raised and strengthened during the year so that water can now be headed up safely up to 12′ upstream of Lakha Regulator thereby relieving the pressure to a certain extent on the head regulator at a time when spill water enters the Lundi Dhand. The construction of a new head to Madad and Lundowahs was in progress. This work will convert a large area of lift land into flow and also bring most of the waste and fallow lands under cultivation.

87. The cultivation during the year on this canal was about 60,200 acres against 59,536 acres in the last year and 79,631 acres, the average cultivation of the three previous years.

88. The total expenditure on the construction of karias and kasis up to the end of the year on the canal amounted to about Rs. 2,89,000.

89. Grants of new land to the extent of 1,170 acres were made to cultivators on this canal during the year under report.

90. The Dad canal was opened on the 19th May and it had a very good supply throughout the season. The usual flooding at the tail was stopped by opening an escape into the Yarowah and thence into the Alibhar Kario. There was a deficiency in the tail of the Mubarakwah and also between miles 59 and 72 of the main canal. In the former case it was mainly due to the increase in the area of rice cultivation in the head reaches of that canal and masonry sluices are being gradually constructed to enable a fair distribution of water to be made. In the latter case the deficiency was due to the raising of the pavement of the 50th mile regulator and the construction of bed groynes. These defects will be totally removed when the Lower Dad Canal Remodelling Project is undertaken and completed. Dad Canal.

91. The cultivation during the year on this canal was about 81,500 acres against 77,810 acres in the last year and 99,890 acres, the average of the three previous years.

92. The total expenditure on the construction of karias and kasis to the end of the year under report was about Rs. 1,32,600.

93. New land to the extent of 200 acres was allotted during the year.

94. The Ren Distributary which takes off from the Dad canal worked satisfactorily during the year under report. The total expenditure on this project to end of the year was Rs. 2,11,750, the outlay of the year being *minus* Rs. 2,069, which represents recoveries from colonists.

95. New land to the extent of 1,474 acres was allotted during the year on this canal.

Fuleli Canal.

96. The Fuleli canal and its branches worked satisfactorily. During the year the supply was very good but crops in the low lands suffered on account of heavy rainfall which caused flooding. The excess of water after the rain in July caused breaches in the Fuleli Escape which were closed by reducing the water level at the Alipur Regulator.

97. The Jamshora head gave no trouble. Owing to heavy rainfall in Badin Taluka and consequent flooding of water-logged areas, it was necessary to reduce the supply at the head regulator for many days in the season. Great difficulty is experienced in regulating the supply with the vertical needles which are quite unsuitable for this large regulator and to overcome this the construction of a new regulator with gates is under consideration. The head of the old Fuleli was in very good condition and the supply was on the whole satisfactory. The groynes constructed last year in the very wide section of the canal below Nareja Regulator prevented the bed from silting.

98. The cultivation on this canal during the year was about 380,000 acres against 361,448 acres in the last year and 397,683 acres, the average of the previous three years.

Hasanali Canal.

99. The main Hasanali canal worked satisfactorily, but the tail reach, which is an old and tortuous channel, suffered from deficiency. To remedy this, proposals for the regulation of the excessive discharge drawn by outlets in the upper reaches are under consideration. Owing to the construction last year of masonry sluices for the karias watering rice lands on the Rajwah branch the canal had a good supply at the tail and did not silt.

100. The area under cultivation during the year under report was about 20,000 acres against 17,361 acres cultivated in the last year and 18,733 acres, the average of the three previous years.

Canals in the Hyderabad Canals District.

101. All the canals in this District worked satisfactorily. There were very few breaches in the banks of the Great Marakh, and these that did occur were closed promptly. The Jakhri Dhand, which supplies the Sarfrazwah, was eroded by the river in the first half mile. The Great Marakh regulator was completed, the expenditure incurrred thereon during the year being about Rs. 65,500. The construction of a regulator at the head of the Alibahar Kacheri is also in progress and a sum of about 11,000 rupees was spent on it during the year.

102. The cultivation in the whole of the Hyderabad Canals District for the year was about 258,500 acres against 234,950 acres in the last year and 272,552 acres, the average of the previous three years.

(*ii*) Works for which only Revenue Accounts are kept.

103. The principal canals under this head are Naulakhi, Mehrab and Dambhro in the Nasrat Canals District and Ren, Gharo Mahmudo, Kari Shumali and Nasir in the Hyderabad Canals District. With the exception of some of the branches of the Naulakhi, the supply in all the canals under this head in both the Districts was satisfactory.

4.—PROTECTIVE EMBANKMENTS.

104. In the southern (first) section of the Kashmor bund the flood water touched the whole of the front bund, 1896 loop, Tori Bund and Haibat loop upto mile 16/3, while in the second and third sections the flood water did not touch the bund at all.

105. In the month of June erosion took place above the Begari mouth, but the erosion stopped in the first week of July and left just the rear slope of the bund standing in mile 3/5. This section has since been eroded and the 1896 loop will therefore become the first line of defence. Attempts are being made to thoroughly wet the Ghouspur loop by trench water.

106. Erosion also occurred at ordinates 4/6 to 5/7 but was not serious.

107. There were no breaches during the season.

108. The Haibat and Ghouspur bunds were all wetted by the trench system. Unharwah loop was not wetted, as the bund in front of it was very strong.

109. Due to kalar soil, leaks in Ghouspur wetting trench were innumerable.

110. All the bunds in the Shikarpur Canals District stood well throughout the Abkalani season. The trenching bund of the Bichanjee loop bund gave trouble and need further strengthening and more sand trenches at bad places. Erosion was fairly active again opposite Loi Regulator and this regulator and the Loi Bungalow are now in danger of being eroded away unless the river changes its course.

111. The River being far away, the bunds in the Ghar Canals District were not severely taxed; a few leaks occurred but were promptly stopped.

112. The Western Nara Bunds were raised and strengthened in certain lengths during the year at a cost of Rs. 6,619. During the year under report water touched the Bunds throughout almost their whole length, and there was great pressure of water in many places. Owing, however, to very careful patrolling and the great care taken the bund withstood the high pressure and no breaches occurred. Many leaks, however, occurred but they were immediately detected and closed. The good work done under very trying conditions during the Abkalani season on these bunds by the Executive Engineer, and by the Sub-divisional officers of the Labdaria, Pritchard and Dadu Sub-divisions was greatly appreciated and the cultivation protected was a record in quantity and quality.

113. In the Karachi Canals District the new Belo Loop, 8 miles long and of an average height of 18 feet, which had been completed on 31st May 1919 was breached on 27th July 1919. A length of 6 miles had been soaked, when the water level rose very rapidly against the whole length owing to the rapid rise of the river which caused a breach in the small emergency loop that had been constructed with a view to keeping out the river water during construction.

114. A length of two miles remained to be wetted when, owing to the breach in the emergency bund, an underground leak occurred which it was found impossible to locate. The bund collapsed suddenly over the site of the leak and a serious breach occurred. Owing to very heavy rains at this time, very cold violent winds, and to the scarcity of labour it was found impossible to prevent the breach from widening and all the available labour had to be used in preventing the remaining 7½ miles of the bund from being eroded by wave action.

115. Over twenty serious leaks were successfully closed.

116. The water from the breach, together with the abnormal floods, due to the excessive rain which commenced on the 29th July, flooded a vast area in the Sujawal, Shahbunder and Jati Talukas. A great amount of kharif cultivation was destroyed but the flood water, when it subsided, enabled a good amount of extra rabi to be grown.

117. Erosion had been very active in mile 5/7 to 8/4 of the Baghar Uchito Bund on the right bank and near Belo on the left bank (mile 34 of the Mulchand Shah Bunder Bund). On account of the former an emergency loop has been constructed and a retired loop is under construction. The Belo Loop constructed last year has been completely repaired and is sufficiently retired for the present. In mile 19—20 of the Mulchand Shahbunder Bund, the shortest length of the ordinate on the 7th May 1919 was only 563 feet. A short loop between miles 18/5 and 19/7 is under construction.

118. In the Nasrat Canals District, the Naulakhi Bhorti Bund had water against it in the whole of its length of nine miles, the maximum depth being 4·6′ at mile 2. The front loop of compartment No. 3 breached on 30th July, but the breach was promptly closed. Water also touched the whole length of 3 miles of Mikaro and Tirchi Bunds but both stood the pressure well. The river spilled over its left bank between Dambro and Dad Heads and flooded a large tract in Naushahro and Moro Talukas. Spill water also flooded the tract below Doulatpur and breached into and crossed the Suhagan and Hebert branches of the Dad canal. The consideration of the proposal to construct a spur bund to shut out spill water from this area, mentioned in last year's report, is postponed as the scheme is very costly and would be unnecessary when the new Dad branch in connection with the proposed Rohri Canal, is constructed.

119. The Ren bund in the Hyderabad Canals District stood well during the year under report.

120. The Hajipur bund in the Fuleli Canals District suffered from wave wash in the 3rd, 13th and 14th miles and repairs were carried out during the year where the slope was cut away by wave action. The Gidu Bund in this District was in danger of being eroded by the current of the river which was deflected by the construction of a stone groyne. This work, which was carried out in the height of inundation with very great difficulty, was a complete success.

5.—INDUS RIVER COMMISSION.

Indus River Commission Works and their classification.

121. The expenditure on works and surveys was, as usual, charged to "43—Irrigation Minor Works and Navigation—Agricultural Works—Works for which neither Capital nor Revenue Accounts are kept."

Surveys of the Indus.

122. The usual topographical surveys, aggregating 2,073 miles in length, of the Indus, dhands, bunds, etc., were carried out. Besides this, the taluka boundaries in the Larkana, Nawabshah, Hyderabad and Karachi Districts were also surveyed as far as possible. The total length of the river course from Rojhan in the Punjab to the point of its bifurcation was 541 miles. The whole of this length together with about 25 miles of the Haidri river and 6 miles of the Ochito below the bifurcation point were surveyed and plotted.

Khairpur Boundary rails.

123. The Khairpur Boundary rails were inspected as usual and a traverse survey of 38 miles was executed in connection with the refixing of some "Dhurries" which were pointed out by the state authorities through the Collector of Sukkur.

River gauges.

124. Gauge readings of the river were taken daily at 11 stations, twice a week at four stations and weekly at six stations. The maintenance of all these gauges is necessary for the purpose of fixing the High Flood Levels for the river embankments, for recording the changes in and level of supply at canal mouths and for observing any permanent change in the level of the river.

Scientific works and discharges of the Indus.

125. Discharge and other special observations were continued at Sukkur and Kotri as usual. The results will be published in the Indus River Commission Records. The total monthly discharge at Sukkur during the inundation season and the minimum, maixmum and average discharges of the year, compared with the results of the previous four years, are as follows:—

Month.	1915-16.	1916-17.	1917-18.	1918-19.	1919-20.
	Cusecs.	Cusecs.	Cusecs.	Cusecs.	Cusecs.
June	8,925,000	8,038,000	7,233,000	13,257,000	8,350,000
July	10,756,000	13,044,000	8,603,000	9,809,000	12,186,000
August	11,834,000	18,227,000	18,941,000	9,924,000	14,082,000
September	7,083,000	7,972,000	12,985,000	5,924,000	7,488,000
Total ...	38,598,000	47,281,000	47,762,000	38,914,000	42,106,000
Average discharge ... Cusecs...	316,377	387,549	391,492	318,967	345,131
Maximum discharge ... Cusecs...	430,445	735,348	740,279	521,890	506,352
Minimum discharge June to Sept.... Cusecs...	134,888	73,287	126,049	92,901	135,136
Minimum discharge observed throughout the year ... ... Cusecs...	25,546	17,568	28,083	21,784	31,017

Note.—These totals and their constituent figures are the sums of the daily observations of discharge in the Indus in cusecs. To arrive at its total discharge during the period concerned, the figures given in the table must be multiplied by 86,400 (the number of seconds in a day).

Extensions and Improvements and special repairs.

126. The estimated cost of the works, under these heads, sanctioned or approved during 1919-20 by the Indus River Commission for execution by the Executive Engineers and by the Commission was as given below :—

District.	Extensions and Improvements.	Special Repairs.	Total.
A—Indus Right Bank Division.	Rs.	Rs.	Rs.
Western Nara	3,713	39,495	43,208
Shikarpur Canals	112	61,637	61,749
Ghar Canals	284	.....	284
Karachi Canals	3,78,384	6,84,943	10,63,327
Total ...	3,82,493	7,86,075	11,68,568
B—Indus Left Bank Division.			
Fuleli Canals District	5,558	2,13,225	2,18,783
Hyderabad Canals District	3,712	.....	3,712
Nasrat Canals District	.....	64,625	64,625
Total ...	9,270	2,77,850	2,87,120
C—Indus River Commission.			
Works under the direct control of the Indus River Commission ...	11,878	.....	11,878
Grand Total ...	4,03,641	10,63,925	14,67,566

127. The large amount sanctioned for works in the Karachi Canals District was required for the construction of Marho and Thahimani Gulel Loops and raising and strengthening of the Mulchand Shahbunder and Baghar Uchito Bunds. In the Fuleli Canals District as the Gidu Bund was threatened with erosion, a stone groyne was constructed to divert the current and the bank was generally strengthened by pitching wherever it was necessary to do so.

Maintenance and repairs.

128. The total expenditure under this head on the several works under the direct control of the Indus River Commission was Rs. 13,148 of which Rs. 1,880 were spent on the river gauges establishment at Sukkur, Kotri, Jerruck and the Indus Delta.

129. The total expenditure incurred and accounted for by the Indus River Commission was:—

				Rs.
Works	...	...	...	1[illegible]
Repairs	...	...	...	13,118
Establishment	...	...	...	69,272
Tools and Plant	...	...	...	10,287
			Total ...	1,12,540

130. Heavy erosion occurred at mile 31/4 of Sukkur Bhagari Bund and mile 9/0 of the Western Nara Bund, the maximum rate of erosion being 600 feet and 1,966 feet per week respectively. The erosion between miles 5/4 and 6/4 of Baghar Uchito Bund necessitated the construction of Marho and Thahimani Gulel Loops, the maximum rate of erosion per week being 164 feet which was observed opposite miles 6/1 during the week ending 26th July 1919. For lower Sind this erosion is considered heavy.

Sukkur Barrage.

131. The plans and estimates for the Sukkur Barrage were completed during the year. The whole project, including the Barrage and canals, has since been submitted to the Government of India for obtaining the sanction of the Secretary of State. This project comprises the following works: (i) a Barrage about a mile in length, across the river Indus, below the gorge at Sukkur, (ii) two large perennial canal systems taking off from above the Barrage — one on the left bank of the river running south from Rohri to Hyderabad and the other on the right bank of the river superseding the whole of the existing inundation canals between the Rahuja head of the Sukkur Canal and Shehwan and (iii) a large new supply channel, which is also to take off immediately above the Barrage, to feed the Eastern Nara River, the remodelling and general improvement of the whole of the Canal systems dependent on the Eastern Nara for their supplies and the construction of a new canal to be called the Khipra Canal. Provision has also been made in the project for the construction of a Flood Protective Bank, 105 miles long, from Makhi to Navkot which will entirely exclude the Ghotki floods. The proposed new works will undoubtedly be a great boon to the cultivators. In place of an irregular and uncertain supply depending entirely on the natural level of the Indus, there will be a certain and regular supply during all seasons of the year and when irrigation on all the new canal systems has reached its maximum, a total area of over 5¼ million acres will be watered in place of the existing area of about 2 million acres in the tract commanded. The whole project is estimated to cost 16 crores of rupees.

Work done by the Survey Department.

132. No work was carried out by the Survey Department for the Indus River Commission during the year in connection with levelling operations in Sind.

6.—MISCELLANEOUS.

Plantations.

133. Existing plantations on canals and bunds in the Left Bank Division were well cared for. New trees were also planted in all Districts and they are thriving well.

Irrigation of Cotton.

134. No Egyptian cotton was sown in this Division during the year. The following table gives details regarding waterings given to indigenous cotton.

District.	Lift lands.		Flow lands.		Date of last watering.
	No. of waterings.	Intervals between.	No. of waterings.	Intervals between.	
Nasrat Canals District ...	.....	.....	11	7 to 15 days	29th August 1919.
Hyderabad Canals District ...	8 to 11	.....	.....	.....	Between 21st September and 8th October.
Fuleli Canals District ...	4 to 8	9 to 42 days	.....	.....	10th September and 7th October.
Eastern Nara District ...	.....	.....	4	.....	15th October.
Jamrao Canal, Northern District ..	7	.....	7 to 12	.....	Between 27th September and 15th November.
Jamrao Canal, Southern District ...	6 to 9	.....	6 to 8	.....	Between 18th October & 8th November.

III.—DECCAN AND GUJARAT.

1.—NORTHERN DIVISION.

General remark

135. The rainfall was generally satisfactory and well distributed, but in the Khari canal area it failed in the latter part of the season. Sufficient water was therefore not available to supply the last watering required by the large area of rice grown under the Khari Cut Canals. Cotton cultivation is rapidly progressing in the Kalol Taluka and Halol Mahal and has also made much progress in the Kaira District to the detriment of irrigation, as the people do not generally take water for this crop.

(*i*)—First Class Irrigation Works.

Hathmati and Khari Cut Canals.

136. The rainfall gauged at Ahmedabad and Prantij during 1919-20 was 29·96″ and 30·35″ against an average of 29·57″ and 30·50″ respectively for the last 30 years, including the year under report. The monsoon broke as usual in the middle of June, more than one inch of rain fell on the 16th and 17th and the rainfall continued, with intermissions, until the middle of September.

137. Due to the favourable rains, there was a limited demand for kharif irrigation on the Hathmati canal and the rabi area amounted to 2,798 acres only or 32 acres per cusec.

138. In the area served by the Khari Cut canal the rainfall, though about average, was not well distributed. It was heavy between 15th July and 15th September 1919 but ceased altogether thereafter, with the exception of a few drizzles in November, after the rice came to maturity. A large area was planted with rice and it was therefore not possible to give the last necessary watering to the whole of that area. As, however, there was no demand for water on the Hathmati, due to favourable rain in the area, water therefrom, as well as from the Bokh, was utilized to save the rice under the Khari Cut canal. Some remissions had, however, to be made. The kharif irrigation amounted to 10,672 acres or 111 acres per cusec. Only 63 acres of rabi were irrigated, as the land was dry, there being no rain after 15th September, and the cultivators did not expect to obtain sufficient water and did not make use of the amount that was available.

139. The total area irrigated and the gross assessed revenue on the Hathmati and Khari Cut canals during the year were about 14,000 acres and Rs. 73,900 respectively against 8,400 acres and Rs. 46,200, the averages for the previous triennium.

Tanks in the Kaira Collectorate.

140. The areas irrigated by and the gross assessment from the Wangroli, Tranza, Nagrama, Savli and Saiat tanks compare with the averages of the previous triennium as shown below:—

Name of tank.	1919-1920.		Average of the previous three years.	
	Area Irrigated.	Gross assessed revenue.	Area irrigated.	Gross assessed revenue.
	Acres.	Rs.	Acres.	Rs.
Wangroli	1,044	4,423	642	2,446
Tranza Nagrama	.....	884	10	285
Savli	2,000	7,321	457	1,951
Saiat	660	3,199	85	792

141. The Wangroli, Savli and Saiat tanks were full and the Tranza Nagrama tank was empty. The water in the former was utilised in irrigating the kharif and rabi crops, mainly rice, wheat and gram.

142. All these tanks were maintained in good condition at a cost of Rs. 12,139. The works of Extensions and Improvements to Saiat Tank and of constructing 2 bridges on Tranza Nagrama Tank were completed at a total cost of Rs. 497 and Rs. 1,795 respectively.

Futelao Tank.

143. For the first time the tank filled and its waste weir overflowed. Only 49 acres were irrigated in the rabi season yielding a gross revenue of about Rs. 150. The tank was maintained in good and working order at a cost of Rs. 780. Irrigation from this tank has not yet developed.

(*ii*)—Second Class Irrigation Works and Agricultural Works.

Khari Sluices.

144. The Khari river water itself being insufficient, after 15th September 1919, for the crops on the Khari Sluices, water from the Bokh Reservoir was utilised for their protection. As there was no rain in the latter part of the months of September and October much of the water let down from the Bokh was absorbed in the Khari river bed, even the 50 cusecs let down at the Raipur weir was absorbed and did not reach the Kanera Sluice.

Muwalia Tank.

145. The tank is the largest in the Panch Mahals, the capacity at the Full Supply Level being 237 million cubic feet. The rainfall gauged at Muwalia was 37·94″ and it was well distributed throughout the season. Due to the previous famine year the Bhils resorted to Maize cultivation early in the season and there was very little Kharif irrigation. Again, as the rainfall was favourable and some showers fell in January, there was not much demand for rabi irrigation. The area irrigated was 6 acres in the hot season, 16 in the kharif and 341 in the rabi season and the total revenue amounted to Rs. 1,076. The miscellaneous receipts derived from the cultivation, etc., in the tank bed were Rs. 751 against Rs. 289 of the last year. The tank and the canals were maintained in good condition at a cost of about Rs. 3,600.

Old Tanks.

146. Improvements on 49 and repairs to 50 small irrigation tanks in the Gujarat Irrigation District and repairs to 16 tanks in the Surat and Broach Districts were executed at a total cost of about Rs. 63,000.

147. The following important works were in progress during the year :— Works in progress

(1) The Timba Tank at Harsol, Taluka Prantij, Ahmedabad District (Nearly completed).

(2) The Matewal Tank at Salun and Nanodra Villages, Taluka Thasra, Kaira District.

(3) The Fudsar Tank at Lasundra, Taluka Kapadwanj, Kaira District.

(4) The Bodedra-Bujrag Tank

and

(5) The tank at Dangaria, Taluka Godhra, Panch Mahals.

148. The drainage channels in the Surat and Broach District and Gujarat Irrigation District were maintained at a cost of about Rs. 12,600 and the protective and reclamation works in the former district cost nearly Rs. 6,000. Drainage channels.

149. Year by year the tides from the Gulf of Cambay have been steadily advancing inland eastward and spoiling the culturable lands of the villages of Gandhar, Mular, etc. To prevent this inroad of the sea the construction of a Protective Bund has been undertaken. The Bund is to be 2½ miles in length and to cost about Rs. 15,000. Gandhar Bund in Wagra Taluka of the Broach District.

2.—CENTRAL DIVISION.

150. There are very few Irrigation works of importance in the charge of the Superintending Engineer, Central Division.

151. During the year under report the rainfall was good and consequently there was no great demand for water.

(*i*)—First Class Irrigation Works.

152. During the year a larger area was brought under irrigation owing to the extension of irrigation from the 11th mile of the perennial canal upto the 19th mile and to the issue of rabi water to irrigators on the high level canals. The area irrigated under this tank was 4,377 acres against 2,872 acres, the average of the previous three years, and the gross assessed revenue amounted to Rs. 1,34,747 showing an increase of Rs. 32,518 over the average of the the past three years. The increase in revenue was due partly to the large consumption of water by the Sholapur Mills, to an increase in the Town Water Supply and also partly to increase in sales of canal produce. Ekruk Tank.

153. There was not sufficient storage available to meet the full demand for water for sugarcane on this tank, about 5 acres only being grown as an experimental measure. The results will be noted in future reports.

154. The eight months' rabi leases which were introduced as an experiment for a period of six years ending 14th June 1922 on this canal showed a marked increase last year; but, owing to the seasonable rainfall no cultivators came forward to take up additional leases. In the leased area, only 151 acres were actually irrigated from canal water out of a total leased area of 591 acres. Jamda Canals.

155. The total area irrigated by these canals during the year was 1,595 acres against an average of 2,900 acres for the previous triennium. This once again emphasizes the fact that in a large cotton-growing District like Khandesh, the cultivators are not at all keen for water for irrigation when the rainfall is sufficient and seasonable. The cultivators on the Jamda canals have not sufficient confidence in the adequacy of the water supply without an independent storage reservoir. At present the Girna River discharge at the Jamda Bandhara is supplemented by a supply of water from the Chankapur Tank in the Nasik District, but the latter cannot be depended on permanently owing to the large area of irrigation which it has to provide for.

156. On all the remaining works, except the Bhatodi and Ashti tanks, the area irrigated shows a falling off from the average area for the previous triennium, but this decrease was counterbalanced by the increased irrigation on the above mentioned two tanks. Other works.

157. The total area irrigated on the first class irrigation works was 15,916 acres and the gross assessed revenue Rs. 2,15,815, the average of the previous triennium being 14,874 acres and Rs. 1,80,714 respectively.

158. Although the area shows an increase over the average of the last triennium it is less than the last year's area by 7,039 acres. The decrease is due to the seasonable rainfall and consequently less demand for water.

159. Almost all irrigators on the Ekruk, Ashti, Koregaon and Pathri tanks in the Sholapur District have entered into six years' leases from 15th February 1919.

(*ii*)—Second Class Irrigation Works.

160. The total expenditure on "Extensions and Improvements" and "Maintenance and Repairs" to the Bandharas in the East and West Khandesh Districts was Rs. 5,643 and the area irrigated thereon was 2,315 acres.

3.—DECCAN IRRIGATION DIVISION.

(i) First Class Irrigation Works.

(a) Works in existence.

Protective Works.

Nira Left Bank Canal and Shetphal Tank.

161. One of the oldest and so far the largest irrigation work in the Deccan is the Nira Left Bank canal, which was completed in 1898-99. This canal is fed by the Lake Whiting reservoir, on the Yelvandi River at Bhatghar in the Bhor State. The existing masonry dam is 127 feet high and 3,000 feet long and the storage capacity of the lake is 5,300 millions of cubic feet. An entirely new dam is under construction at Bhatghar just below the old dam to provide a combined supply for the Nira Left Bank canal and the new Nira Right Bank canal. The storage capacity will be raised to 24,000 millions of cubic feet when the work is completed. The additional supply will be utilized by the new Nira Right Bank canal which is under construction. The Nira Left Bank canal is 100 miles long and irrigates a large portion of the Poona District.

162. The Shetphal Tank is a comparatively small tank, constructed near the tail of the Left Bank canal, from which it receives its supply during the monsoon for irrigating lands under its command.

163. During the year under report this system irrigated about 83,000 acres of land and earned a gross revenue of about Rs. 5,65,000. Deducting the working expenses, the net revenue comes to about 4¼ lakhs of rupees. This shows a slight increase over the average figures of irrigation and revenue for the previous three years and is accounted for mainly by a greater demand for canal water due to a defective monsoon.

Mhaswad Tank.

164. This irrigation work consisting of a tank formed by means of an earthen dam on the Man River, with a storage capacity of about 3,000 million cubic feet, lies in the eastern borders of the Satara District and irrigates lands in the Sholapur District. The area irrigated during the year was 8,600 acres, the gross revenue about Rs. 52,000, working expenses about Rs. 18,000 and probable net revenue Rs. 34,000.

Godavari Canals.

165. This is the first of the large irrigation works of recent construction in the central Deccan for the protection of areas liable to famine. It was completed in 1915-16. The system comprises a storage reservoir, called Lake Beale, on the Darna River which is a tributary of the Godavari, a pick-up weir at Nandur-Madhmeshwar on the Godavari River, and two canals, the Godavari Right and Left Bank canals, taking off from this pick-up weir.

166. The Darna Dam is 4,434 feet long and has a maximum height of 92 feet and a capacity of 8,818 million cubic feet.

167. The pick-up weir at Nandur-Madhmeshwar is 3,620 feet long and 30 feet high. Hitherto the storage capacity above the weir was 1,053 million cubic feet, but by the addition of a crest wall 3 feet high, which was completed during the year, the storage has been increased by 475 million cubic feet.

168. The Godavari Right Bank canal, which is the more important of the two canals, is 70 miles long and serves the northern tracts of the Ahmednagar District. The Left Bank canal is 48 miles long and irrigates lands in the south of the Nasik District and north of the Ahmednagar District.

169. Irrigation has not yet had time to develop fully on this system, but is progressing according to expectations. Considerable trouble is caused by the enormous growth of weeds which greatly reduces the flow in the canals and measures are under consideration for remedying this defect.

170. Sugarcane cultivation has made a great advance on these new canals, the total area irrigated during the year being about 4,000 acres.

171. The total area irrigated in the year by these two canals was over 32,000 acres, yielding a gross revenue of about 3 lakhs of rupees which gives a return of 2·31 per cent. on the capital invested. The working expenses were equal to half of this revenue and thus the net revenue was about Rs. 1½ lakhs.

Productive Works.

Mutha Canals and Matoba Tank.

172. This irrigation scheme was completed in 1896-97. There are two canals, the Right and Left Bank Mutha canals, of which the former is 70 miles and the latter 18 miles long. Both the canals take off from Lake Fife, a storage reservoir formed by a masonry dam, 3,431 feet long with a maximum height of 107 feet, on the Mutha River at Khadakvasla, about 10 miles south-west of Poona.

173. The lake supplies 3,953 million cubic feet of water annually.

174. The average of the last 3 years' cultivation included 5,221 acres of sugarcane, 1,429 acres of fruits and vegetables, 1,265 acres of fodder crops, 1,064 acres of jowari, and 1,307 acres of bajri. A small sugar factory has been established at Phursangi.

175. The Matoba Tank, a small irrigation work, receives its main supply from the Mutha Right Bank canal, and is therefore incorporated in the system.

176. The total area irrigated under this system during the year was 24,600 acres with a gross revenue of Rs. 2,82,000. After paying the working expenses the canal earned a net revenue of about one lakh of rupees.

177. While there is an increase in the total area irrigated over the average of 13,814 acres due to the larger demand for water and more extensive irrigation of cold weather crops owing to unfavourable rains, the revenue has fallen to some extent in consequence of curtailment of sugarcane for want of an adequate supply.

178. The Poona Water Supply, which hitherto was managed by the Executive Engineer, Poona Irrigation District, was formed into a separate charge under the Sanitary Engineer to Government, the function of the Irrigation Department being limited to the delivery of water to the Water Works and receiving payment for the quantity thus supplied in bulk. The amount charged to the Water Works for the supply of water during the year since their separation from the Mutha canals was Rs. 18,529.

179. The Waghad Tank is the main feature of this small scheme and it feeds the Palkhed, Ojhar-Tambhat and Wadali canals. The only event of importance to record is a slip in the embankment which occurred towards the end of April 1919, in a length of about 300 feet on the up-stream face. The necessary repairs were carried out before the monsoon at a cost of about Rs. 20,000 and have stood well. Kadwa River Works.

(b) Works under construction.

Protective Works.

180. This system, which is still under construction, comprises (i) a storage reservoir, called Lake Arthur Hill, on the Pravara River at Bhandardara (near the foot of Mount Kalsubai), 29 miles by road from Igatpuri, (ii) a pick-up weir at Ojhar, 50 miles down the river, and (iii) two canals, one on each bank of the river, named the Pravara Right and Left Bank canals, 33 miles and 48 miles long respectively. Pravara River Works.

181. The masonry dam on completion will be 270 feet high and about 1,600 feet long. The work was started in 1911 and has now reached a maximum height of about 200 feet. A photograph showing the general view of the dam has been bound as a frontispiece to this report. When fully completed the storage will amount to 12,894 million cubic feet and will irrigate some of the lands most affected by famine in the Ahmednagar Collectorate, the culturable land under command of the canals being 182,976 acres, of which 75,000 acres are expected to be irrigated annually.

182. Water from storage is already available and a large sugar factory owned by the Belapur Company has started operations near Belapur Railway Station. This concern will eventually bring 2,000 acres under sugarcane cultivation every year out of an area of 6,000 acres which the Company have acquired.

183. Twelve lakhs of cubic feet of masonry were added to the dam during the year which constitutes a record.

184. The progress of work on the canals is keeping pace with that on the dam and it is anticipated that the scheme will be completed in 1922 or 1923. In the meanwhile as the work progresses irrigation is being gradually extended.

185. The estimated cost of the scheme is Rs. 1,27,04,607 but this will be increased by about 10 to 12 per cent., due to the rise in prices. The expenditure during the year was about Rs. 7 lakhs and the total amount spent on these works up to date is about 88 lakhs of rupees.

186. This is a comparatively small irrigation system, comprising a storage reservoir, called the Chankapur Tank in the Nasik Collectorate, and the Girna Left Bank canal which, when the extension is completed, will be about 19 miles long. The total culturable area commanded by the canal is 25,300 acres. The Chankapur Tank Masonry dam has a maximum height of 140 feet, and supplies, in addition, the Jamda Canals in the East Khandesh Collectorate, some 80 miles away, as well as a few small irrigation works *en route*. Girna River Works.

187. The area irrigated during the year was nearly 4,000 acres and the gross revenue about Rs. 19,200 which did not cover the working expenses amounting to about Rs. 20,000.

188. This irrigation system will, when completed, be the largest in the Deccan and, depending for its supply upon storage at Bhatghar, about 30 miles from Poona, and passing through the northern tracts of Satara Collectorate and Phaltan State it will mainly benefit the western portion of the Sholapur Collectorate which is very liable to famine. New Masonry Dam at Bhatghar and Nira Right Bank Canal.

189. The project comprises the construction of a larger dam at Bhatghar to replace the existing one, as stated in the paragraph regarding the Nira Left Bank canal, so as to increase the storage from 5,300 to about 24,000 million cubic feet, with a view to provide a supply to both the old Left Bank and the new Right Bank canals. The new canal starts from the pick-up weir at Vir and ends at Piliv in the Sholapur Collectorate. The total length is 88 miles, or, when extended as proposed, nearly 108 miles.

190. A revised scheme for fully developing the irrigation of the lands in the Nira Valley (300,000 to 400,000 acres) is under consideration.

191. The Nira Right Bank canal works were started in 1912. The progress on the works in the past has been rather slow, due mainly to conditions arising out of the war, but recently an improvement has taken place and endeavours are being made to commence irrigation in the year 1923.

192. The previously estimated cost of the project, as sanctioned by the Secretary of State, amounts to Rs. 2,57,72,499, but as this estimate is likely to be exceeded a revised project is now under preparation. The expenditure incurred on these works during the year amounted to about Rs. 18,86,000, bringing the total outlay up to date to Rs. 161½ lakhs.

193. The storage at Bhatghar provides sufficient head and discharge to produce electrical energy of over 3,000 Horse Power at the foot of the dam. Part of this energy is now being utilized for driving all the machinery used for construction, such as mortar mills, stone crushers, workshop plant, etc., and for lighting and other purposes. The installation consists of 4 units of 256 K. W. each, the voltage being 2,000.

(ii) Second Class Irrigation Works.

194. These include numerous old *bandharas* or weirs built across small streams to raise the level of the water sufficiently high to enable it to command the lands to be irrigated. In all there are about 300 of these small works in the Nasik and West Khandesh Collectorates.

195. The outlay on repairs and improvements amounted to about Rs. 16,000 during the year.

4.—SOUTHERN DIVISION.

(i) First Class Irrigation Works.

196. The first class irrigation works in the Southern Division irrigated an area of nearly 30,000 acres with a gross assessment of Rs. 1,33,500. This shows an increase of about 3 per cent. only in the area irrigated, while the assessed revenue shows a decrease of about 24 per cent. when compared with the averages of the previous three years.

197. The small increase in the irrigated area is due to a greater area of monsoon low rated crops having been irrigated during the kharif season owing to the failure of early rains and the falling off in the assessed revenue is due to a decrease in the area of high rated crops such as sugarcane, etc.

Krishna Canal.

198. The Krishna canal, which is the only major work in this Division, is 36 miles long and takes off from the left bank of the Krishna River from a weir near the village of Khodsi in the Karad Taluka of the Satara District.

199. The work of removing silt, which was in progress from last year, was completed during the year at a total cost of Rs. 2,123. An arboricultural nursery was maintained at Shenoli and transplanting operations were carried out at a cost of Rs. 473. The canal irrigated 5,500 acres of land and yielded a gross revenue of Rs. 33,400.

Gokak Canal.

200. The most important of the first class minor works in this Division is the Gokak canal. This irrigation system consists of a masonry weir across the Ghataprabha River at Dhupdal in the Belgaum District and a short length of canal taking off from the reservoir formed by the weir.

201. The weir crest (2,985 feet in length) was as usual temporarily raised by two feet at a cost of Rs. 1,346 with a view to increase the storage of water for the rabi season and to meet the demands of the mills at Gokak. The additional storage of 256 millions c. ft. of water thus obtained was found to be very useful for the irrigation of rabi crops.

202. The cotton mills at Gokak are supplied with water at the rate of 146 cusecs for 13 hours a day (78 hours a week, except Sundays and holidays) for which the mills pay to Government Rs. 14,313 per year. In the year under report, however, a decreased discharge was given to the mills, according to the request of the Mill Manager, up to 26th May 1919 as the water level of the reservoir was rapidly going down on account of the scanty rainfall during the previous year.

203. The total rainfall of the year was more than the average, but the greater portion of it fell at a time when it was not required and thus somewhat damaged the kharif crops instead of being useful to them.

204. The water level of the Dhupdal Reservoir on 1st April 1919 was 14·67 feet and the lowest level of 9·32 feet above the sill of the sluices was reached on the 12th May 1919. Thereafter the reservoir began to fill gradually and overflowed on the 20th June 1919. The highest flood of the year occurred on the 30th July 1919 when the water reached a level of 2·04 feet above the permanent crest of the weir.

205. There was no expenditure on Capital Account during the year but minor improvements were carried out at a cost of Rs. 856.

Revari and Chikhli Canals.

206. The only two works taking off direct from rivers without storage reservoirs are the Revari and Chikhli canals, in the Satara District. The Revari canal is about 6 miles in length and takes off from above an ancient bandhara, situated on the river Vasna in the Koregaon Taluka. The Chikhli is a small irrigation canal, only 6½ miles in length, and has its origin from the weir built in the Nandni River in the Khanapur Taluka.

The work of removing silt from the Revari canal was done during the year at a cost of Rs. 442. These works irrigated an area of about 1,100 acres.

207. The work of improvements to the Dharma canal was completed during the year at a total cost of Rs. 77,737. Dharma.

208. The monsoon, during the year under report, was a favourable one for sowing operations. The distribution of water was well managed without any complaints from the irrigators and the crops were good. The canal yielded during the year by direct irrigation a gross revenue of Rs. 4,634 against Rs. 83 of the previous year.

209. Of the canals furnished with storage works the three most important are in the Satara District. The first of them known as the "Yerla River Irrigation works" consists of the Nehr Tank, having a canal 8¼ miles in length, starting from the right bank of the river Yerla at the Nehr Tank, and two other canals, viz., the Yerla Right Bank, 15½ miles in length, and Yerla Left Bank, 8½ miles long, starting from a pick-up weir across the Yerla River at Khatgun. Yerla River Irrigation Works.

210. Owing to the scanty supply of water in the tank at the beginning of the hot season and for want of timely rainfall in the monsoon there was considerable decrease in the kharif area and assessment. This deficiency was partly made good in the rabi season when the area irrigated and the assessed revenue were about 50 per cent. more than the average figures of the last three years.

211. The repairs to the portions of the canal damaged by heavy rain were carried out at a cost of Rs. 1,990.

212. The Maini Tank and canal, the second system, derives its supply from a large nalla which falls into the river Yerla in the southern portion of the Khatav Taluka. The canal is 9½ miles in length and irrigates lands in both Khatav and Khanapur Talukas. It irrigated about 2,600 acres of land and yielded a gross revenue of Rs. 9,500. Maini Tank.

213. The Upper Man River works is the third system referred to and consists of a tank at Pingli which supplies the Right Bank canal, 4 miles in length, and also a distributary on the left side, viz., Dahiwadi canal, 3½ miles in length. Both of these tail into the Gondavala canal (7 miles in length) which has an independent origin above a weir across the Man River. Lower down the river the Londavada canal, which is 3½ miles long, derives a supply. Upper Man River Works.

214. The Pingli, Dahiwadi and Gondavala canals were damaged by rain and repairs were carried out at an expenditure of Rs. 2,000. This system irrigated an area of about 1,500 acres and yielded a gross revenue of Rs. 5,500.

215. The remaining works are all small tanks mostly in the Dharwar District, irrigating from 50 to 600 acres each. Other Works.

(ii) Second Class Irrigation Works.

216. Most of the second class irrigation works are in the Dharwar District and the cultivation dependent on them is almost entirely rice and garden corps. During the year repairs to 45 tanks were carried out at a total cost of Rs. 39,000; the average expenditure on such repairs during the previous triennium was about Rs. 41,000.

217. The total area irrigated by these small works was about 74,700 acres and the irrigation share of the assessed consolidated revenue amounted to Rs. 1,98,300.

5.—SCIENTIFIC WORKS.

(a) Engineering questions that have arisen.

218. Observations to ascertain losses by evaporation and absorption were made by means of iron tanks placed in certain reservoirs and the results are published in the "Annual Report of supplies of water available for irrigation works, etc." for 1919.

(b) Special Irrigation District.

219. This charge was formed a few years ago for scientific investigations connected with irrigation; what specially gave rise to its formation was the water-logging and salt-efflorescence evil due to heavy watering in the sugarcane areas under the Deccan canals. Much useful work has been done towards combating this evil and the experiments carried out near Baramati have proved that the worst affected lands can be regenerated at a comparatively small cost. On the principle that prevention is better than cure, the question of protecting land from deterioration due to causes arising from canal irrigation is receiving serious attention.

220. Thus, while in old canal-irrigated areas the work consists of reclamation, in the new areas it takes mainly the form of preventive measures based on lessons learnt from reclamation work. The work, therefore, spreads itself over the Nira Left Bank and Right Bank, Mutha, Godavari and Pravara canals, which are either completed or under construction.

221. The conclusions arrived at are mainly that, except where good natural subsoil drainage exists, artificial means must be resorted to to maintain the subsoil water level at not less than 4 feet below the surface. Open drains are constructed where surface

water due to rain has to be dealt with in addition to the subsoil water, but underground pipe drains are used for all subsidiary drainages and are far more effective and permanent than open drains. The difficulty is to find the best location for these drains, and for this purpose a subsoil survey of the whole area is in progress.

222. It is only when the land is drained that the real reclamation work can be taken in hand, and this consists of removing the salts which have risen to the surface along with the subsoil water and in restoring the texture of the soil. The former is done by driving the salts downwards into the drains by means of repeated floodings of the land or by surface washing; the latter method is of doubtful benefit, unless continued for a very long time. The physical condition of the soil is improved by suitable initial plantations, such as babul, shevri, etc.

223. The water-logging was so bad in places that water showed on the surface of the land and it is very satisfactory to be able to record that in the area so far reclaimed the sugarcane crop appears to be superior to that in ordinary land; rice and jowar have also done well.

224. In addition to the regeneration of agricultural lands, the Executive Engineer, Special Irrigation, has been carrying out various experiments connected with irrigation, and of these may be mentioned the use of sewage effluent for the manuring of crops. The question as to how best to dispose of the effluent from the Poona City septic tanks resulted in the establishment of a farm on which experiments are being conducted and in addition an area of 664 acres is actually being irrigated with the diluted effluent. The results have been very successful and the people are appreciating the value of this valuable manure.

(c) River Gauging.

225. All the rivers in the Presidency proper which can be suitably developed for irrigation and power purposes are being gauged and the discharges measured. The results are published in the "Annual Report of supplies of water available for irrigation works, etc." for the year 1919.

226. Several special rain gauges were also maintained as usual during the year by the Executive Engineers concerned.

ADMINISTRATIVE ACCOUNTS

PUBLIC WORKS DEPARTMENT

(IRRIGATION)

BOMBAY PRESIDENCY

FOR THE YEAR

1919-20.

H 1110—2

TABLE OF CONTENTS.

	Name of Work.	No. 1 General Abstract of Financial Results.	No. 2 Capital Account.	No. 3 Revenue Account.	No. 4 Interest Account.	No. 5 Account of Indirect Charges	Statement comparing Charges to date with sanctioned estimate.
		Pages.	Pages.	Pages.	Pages.	Pages.	Pages.
	35.—*Protective Irrigation Works.*						
1	Pravara River Canals	4 & 5	8 & 9	10	11	11	12
2	Chankápur Tank	4 & 5	13 & 14	15	16	16	16
3	Godáveri Canal	4 & 5	17	18	19	19	19
4	Nira Canal, including Shetphal Tank ...	4 & 5	20 & 21	22 & 23	23	23	24
5	Mhasvad Tank	4 & 5	...	25 & 26	26	26	...
6	Gokák Canal—First Section	4 & 5	...	...	...	...	...
7	Máládevi Tank	4 & 5	...	...	27	27	27
8	Budhihal Tank	4 & 5	28	...	29	29	29
9	Nira Right Bank Canal	4 & 5	30	...	31	31	31
	49.—*Irrigation Works.*						
10	Desert Canal	4 & 5	32	33	34	34	35
11	Unharwah	4 & 5	...	36	37	37	...
12	Begári Canal	4 & 5	38	39	40	40	40
13	Mahiwah do.	4 & 5	41	42	43	43	43
14	Eastern Nára Works	4 & 5	44	45	46	46	46
15	Jámrao Canal	4 & 5	47 & 48	49	50	50	50
16	Dád do.	4 & 5	51	52	53	53	53
17	Nasrat do.	4 & 5	54	55	56	56	56
18	Scharwah do.	4 & 5	57	...	58	58	58
19	Navlákhi do.	4 & 5	...	...	59	...	59
20	Háthmati and Khári Cut Canals... ...	4 & 5	...	60	61	61	...
21	Lower Pánjhra River Works	4 & 5	...	62	63	63	...
22	Kádva River Works	4 & 5	...	64 & 65	65	65	...
23	Pravara River Works—Lákh Canal ...	4 & 5	...	66 & 67	67	67	...
24	Mutha Canals, including Mátoba Tank ...	4 & 5	68 & 69	70 & 71	71	72	72
25	Ekrúk Tank	4 & 5	...	73 & 74	74	74	...
26	Krishna Canal	4 & 5	75	76 & 77	77	77 & 78	78
	43.—*Minor Works and Navigation.*						
27	Sukkur Canal	6 & 7	...	79 & 80	...	80	...
28	Ghár do.	6 & 7	...	81 & 82	...	82	...
29	Suttah do.	6 & 7	...	83	...	83	...
30	Alibhar Kacheri Canal	6 & 7	...	84	...	84	...
31	Márak Great do.	6 & 7	85	86	...	87	87
32	Sarfrázwah	6 & 7	...	88	...	88	...
33	Fuleli Canal	6 & 7	...	89 & 90	...	90	...
34	Hasanaliwah	6 & 7	...	91	...	91	...
35	Wangroli Tank	6 & 7	...	92	...	92	...
36	Tránza—Nagrama Tank	6 & 7	...	93	...	93	...
37	Sávli Tank	6 & 7	...	94	...	94	...
38	Sahiat do.	6 & 7	...	95	...	95	...
39	Suki River do.	6 & 7	...	...	...	96	96
40	Fuclao do.	6 & 7	...	97	...	97	...
41	Hartála do.	6 & 7	...	98	...	98	...
42	Mhasva do.	6 & 7	...	99	...	99	...
43	Jámda Canals	6 & 7	...	100	...	100	...
44	Parsul Tank	6 & 7	...	101	...	101	...
45	Pravara Left Bank Canal	6 & 7	...	102	...	102	...
46	Bhátodi Tank	6 & 7	...	103	...	103	...
47	Kásurdi do.	6 & 7	...	104	...	104	...
48	Shirsuphal do.	6 & 7	...	105	...	105	...
49	Bhádalvádi do.	6 & 7	...	106	...	106	...
50	Victoria do.	6 & 7	107	...	...	108	108
51	Koregaon do.	6 & 7	...	109	...	109	...
52	Ashti do.	6 & 7	...	110	...	110	...
53	Páthri do.	6 & 7	...	111	...	111	...
54	Revári Canal	6 & 7	...	112	...	112	...
55	Upper Mán River Works	6 & 7	...	113	...	113	...
56	Yerla River Irrigation Works	6 & 7	...	114	...	114	...
57	Chikhli Canal	6 & 7	...	115	...	115	...
58	Maini Tank	6 & 7	...	116	...	116	...
59	Muchkundi do.	6 & 7	...	117	...	117	...
60	Gadikeri do.	6 & 7	...	118 & 119	...	119	...
61	Gokák Canal—First Section, and Storage Works	6 & 7	...	120	121	121	...
62	Dámbal Tank	6 & 7	...	122	...	122	...
63	Medleri do.	6 & 7	...	123	...	123	...
64	Madag do.	6 & 7	...	124	...	124	...
65	Asundi do.	6 & 7	...	125	...	125	...
66	Dharma Canal	6 & 7	126	127	...	128	128
67	Mávinkop Tank	6 & 7	...	129	...	129	...
68	Gokák Canal—Second Section	6 & 7	...	...	...	...	...
69	Works for which only Revenue Accounts are kept—Sind	6 & 7	...	130	...	...	...

IRRIGATION BRANCH.

PUBLIC WORKS
ADMINISTRATIVE ACCOUNTS

No. I.—*General Abstract of Financial Results showing the estimated Cost of Construction of Major and the Simple Interest on the*

MAJOR

Name of Work.	Estimated Cost of Construction.			Capital Outlay.						Receipts.
				During 1919-1920.			To end of 1919-1920.			
	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Water-rates, &c.
1	2	3	4	5	6	7	8	9	10	11
35.—PROTECTIVE IRRIGATION WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
DECCAN AND GUJARÁT.										
Works in Operation.										
Pravara River Canal ...	1,11,20,711	5,49,881	1,16,70,592	9,28,885	22,966	9,51,851	90,48,688	2,82,293	93,30,981	15,601
Chaukápur Tank	19,02,624	65,482	19,68,106	14,269	352	14,621	18,89,473	62,353	19,51,826	22,976
Godáveri Canal	96,53,924	4,93,397	1,01,47,321	14,570	360	14,930	96,17,629	4,92,076	1,01,09,705	4,53,516
Nira Canal and Shetphal Tank	61,87,104	3,67,983	65,55,087	22,737	564	23,301	61,91,974	3,69,160	65,61,134	4,85,466
Mhasvad Tank	20,05,553	90,463	20,96,016	...	...	...	20,05,553	90,463	20,96,016	59,356
Gokák Canal, First Section ...	4,00,939	11,727	4,12,666	...	...	...	4,00,939	11,727	4,12,666	...
Total, Works in Operation...	3,12,70,855	15,78,933	3,28,49,788	9,80,461	24,242	10,04,703	2,91,54,256	13,08,072	3,04,62,328	10,36,915
Works under Construction.										
Máládevi Tank	3,04,671	9,903	3,14,574	...	...	...	3,02,040	9,888	3,11,928	...
Budhihal do.	13,98,529	56,082	14,54,611	238	12	250	4,91,701	18,305	5,10,006	...
Nira Right Bank Canal ...	2,49,71,868	8,00,631	2,57,72,499	25,06,440	56,668	25,63,108	1,67,65,137	3,81,071	1,71,46,208	...
Total ...	2,66,75,068	8,66,616	2,75,41,684	25,06,678	56,680	25,63,358	1,75,58,878	4,09,264	1,79,68,142	...
Total, Protective Irrigation Works	5,79,45,923	24,45,549	6,03,91,472	34,87,139	80,922	35,68,061	4,67,13,134	17,17,336	4,84,30,470	10,36,915
49.—IRRIGATION WORKS.										
SIND.										
Works in Operation.										
Desert Canal	26,55,301	80,015	27,35,316	496	9	505	26,55,301	80,015	27,35,316	82,126
Unharwáh	7,68,050	20,780	7,88,830	...	...	...	7,68,050	20,780	7,88,830	1,398
Begári Canal	24,00,314	79,257	24,79,571	—2,906	—49	—2,955	24,00,314	79,257	24,79,571	27,418
Mahiwah	14,45,248	72,108	15,17,356	...	...	...	13,80,892	58,792	14,39,684	1,110
Eastern Nára Works ...	72,95,515	2,53,074	75,48,589	1,17,348	4,307	1,21,655	70,80,691	2,45,432	73,26,123	26,797
Jámráo Canal	87,94,136	2,61,707	90,55,843	68,471	1,464	69,935	87,80,022	2,61,532	90,41,554	73,735
Dád do.	25,66,345	98,033	26,64,378	—3,091	—113	—3,204	25,64,637	93,669	26,58,306	—571
Nasrat do.	18,05,807	58,153	18,63,960	—970	—36	—1,006	18,05,807	58,153	18,63,960	262
Total, Works in Operation...	2,77,30,716	9,23,127	2,86,53,843	1,79,348	5,582	1,84,930	2,74,35,714	8,97,630	2,83,33,344	2,12,275
Works under Construction.										
Scharwah Canal	8,57,487	22,038	8,79,525	17,624	334	17,958	17,624	334	17,958	...
Naulákhi Canal	12,17,935	44,619	12,62,554	...	...	...	5,112	33	5,145	...
Sukkur Barrage	...	...	...	...	...	...	—284	...	—284	...
Total ...	20,75,422	66,657	21,42,079	17,624	334	17,958	22,452	367	22,819	...
Total, Sind ...	2,98,06,138	9,89,784	3,07,95,922	1,96,972	5,916	2,02,888	2,74,58,166	8,97,997	2,83,56,163	2,12,275
DECCAN AND GUJARÁT.										
Works in Operation.										
Háthmati Canal and Khari Cut Canal	12,40,983	74,990	13,15,973	...	...	...	12,40,983	74,990	13,15,973	22,354
Lower Pánjhra River Works.	4,45,382	23,239	4,68,621	...	...	...	4,45,382	23,239	4,68,621	14,066
Kádva River Works... ...	9,71,741	62,450	10,34,191	...	...	...	9,71,741	62,450	10,34,191	29,296
Pravara River Works— Lákh Canal	3,52,446	19,445	3,71,891	...	...	...	3,52,446	19,445	3,71,891	1,697
Mutha Canals and Mátoba Tank	62,39,109	2,95,144	65,34,253	...	...	...	62,39,003	2,95,141	65,34,144	8,70,609
Ekrúk Tank	12,28,117	1,12,269	13,40,386	...	...	...	12,28,117	1,12,269	13,40,386	1,31,571
Krishna Canal	8,95,262	51,507	9,46,769	...	...	...	8,92,977	51,482	9,44,459	91,192
Total, Deccan and Gujarát...	1,13,73,040	6,39,044	1,20,12,084	...	...	...	1,13,70,649	6,39,016	1,20,09,665	6,60,785
Total, 49.—Irrigation Works	4,11,79,178	16,28,828	4,28,08,006	1,96,972	5,916	2,02,888	3,88,28,815	15,37,013	4,03,65,828	8,73,060
GRAND TOTAL ...	9,91,25,101	40,74,377	10,31,99,478	36,84,111	86,838	37,70,949	8,55,41,949	32,54,349	8,87,96,298	19,09,975

Note.—Direct charges under Working Expenses include share of collection charges in the Civil Department calculated

Bombay, 8th November 1920.

BOMBAY PRESIDENCY.

DEPARTMENT.

FOR THE YEAR 1919-1920.

Works, the Capital Outlay thereon, the Revenue derived therefrom, the Working Expenses, Direct Capital Outlay on those Works.

WORKS.

DURING 1919-1920.		WORKING EXPENSES DURING 1919-1920.			NET RESULT, EXCLUDING INTEREST (DIFFERENCE BETWEEN REVENUE AND WORKING EXPENSES).				Simple Interest during 1919-20.	NET RESULT, INCLUDING INTEREST.			
							Rate per cent.					Rate per cent.	
Collected with Land Revenue.	Total.	Direct Charges.	Indirect Charges.	Total.	Excess revenue (surplus).	Excess expenditure (deficit).	Of excess revenue.	Of excess expenditure.		Excess revenue (surplus).	Excess expenditure (deficit).	Of excess revenue.	Of excess expenditure.
12	13	14	15	16	17	18	19	20	21	22	23	24	25
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			Rs.	Rs.	Rs.		
...	15,601	38,419	2,132	40,551	...	24,950	...	0·27	3,44,046	...	3,68,996	...	3·95
...	22,976	20,387	1,057	21,944	1,032	...	0·05	...	65,185	...	64,153	...	3·29
...	4,53,516	2,09,659	9,955	2,19,614	2,33,902	...	2·31	...	3,29,737	...	95,835	...	0·95
...	4,85,466	1,77,072	9,734	1,86,806	2,98,660	...	4·40	...	(a) 2,12,728	85,932	...	1·31	...
...	59,356	11,149	366	11,515	47,841	...	2·28	...	68,341	...	20,500	...	0·98
...	...	...	...	...	...	...	...	...	13,662	...	13,662	...	3·31
...	10,36,915	4,57,186	23,244	4,80,430	5,56,485	...	1·83	...	10,33,699	...	4,77,214	...	1·57
...	...	...	...	...	...	...	...	...	10,292	...	10,292	...	3·30
...	...	...	...	...	...	...	...	...	16,766	...	16,766	...	3·29
...	...	...	...	...	...	...	...	...	6,49,099	...	6,49,099	...	3·79
...	...	...	...	...	...	...	...	...	6,76,157	...	6,76,157	...	3·76
...	10,36,915	4,57,186	23,244	4,80,430	5,56,485	...	1·15	...	17,09,856	...	11,53,371	...	2·38
3,31,830	4,13,956	1,64,585	4,940	1,69,525	2,44,431	...	8·94	...	90,831	1,53,600	...	5·62	...
2,05,439	2,06,837	51,554	1,285	52,839	1,53,998	...	16·99	...	26,172	1,27,826	...	16·20	...
5,61,565	5,88,983	1,88,432	5,580	1,94,012	3,94,971	...	15·93	...	82,584	3,12,387	...	12·60	...
59,438	60,548	1,39,629	4,557	1,44,186	...	83,638	...	5·82	47,051	...	1,30,689	...	9·38
5,64,549	5,91,346	3,00,418	14,627	3,15,045	2,76,301	...	3·77	...	2,45,398	30,903	...	0·42	...
8,25,027	8,98,762	4,37,390	23,467	4,60,857	4,37,905	...	4·84	...	3,02,099	1,35,806	...	1·50	...
1,93,973	1,93,402	1,52,407	9,068	1,61,475	31,927	...	1·20	...	87,182	...	55,255	...	2·08
1,91,795	1,92,057	1,42,454	7,987	1,50,441	41,616	...	2·23	...	61,420	...	19,804	...	1·62
29,33,616	31,45,891	15,76,869	71,511	16,48,380	14,97,511	...	5·29	...	9,42,737	5,54,774	...	1·95	...
...	...	...	...	...	...	...	...	...	523	...	523	...	2·91
...	...	...	...	...	...	...	...	...	174	...	174	...	3·38
...	...	...	...	...	...	...	...	...	—10	...	—10	...	...
...	...	...	...	...	...	...	...	...	687	...	687	...	3·01
29,33,616	31,45,891	15,76,869	71,511	16,48,380	14,97,511	...	5·28	...	9,43,424	5,54,087	...	1·95	...
...	22,354	32,822	518	33,340	...	10,986	...	0·83	42,288	...	53,274	...	4·05
3,354	17,420	4,456	170	4,626	12,794	...	2·73	...	15,177	...	2,383	...	0·51
594	29,890	73,101	3,836	76,937	...	47,047	...	4·55	33,113	...	80,160	...	7·75
225	1,922	2,646	144	2,790	...	868	...	0·23	12,010	...	12,878	...	3·46
54	3,70,663	1,03,542	5,830	1,09,372	2,61,291	...	4·00	...	(b) 2,12,115	49,176	...	0·75	...
...	1,31,571	15,816	414	16,230	1,15,341	...	8·61	...	41,84	73,492	...	5·48	...
...	91,192	14,461	385	14,846	76,346	...	8·09	...	30,430	45,916	...	4·86	...
4,227	6,65,012	2,46,844	11,297	2,58,141	4,06,871	...	3·39	...	3,86,982	19,889	...	0·17	...
29,37,843	38,10,903	18,23,713	82,808	19,06,521	19,04,382	...	4·72	...	13,30,406	5,73,976	...	1·42	...
29,37,843	48,47,818	22,80,899	1,06,052	23,86,951	24,60,867	...	2·77	...	30,40,262	...	5,79,395	...	0·65

at certain percentages fixed by Government, but which are not adjusted in the Finance Accounts.

(a) Includes Rs. 840 adjusted by Transfer Entry No. 7 of 3rd January 1921, by the Comptroller General and communicated to this Office.

(b) Do. Rs. 16,697 do. do. do. do.

J. STUART MILNE,
Accountant General.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

No. I.—*General Abstract of Financial Results showing the estimated Cost of Construction of Minor Works and Navigation, the Capital Outlay thereon, the Revenue derived therefrom, and the Working Expenses on those Works.*

Name of Project.	Estimated Cost of Construction.			Capital Outlay.						Receipts during 1919-1920.			Working Expenses.			Net Result, excluding Interest (Difference between Revenue and Working Expenses).			
				During 1919-1920.			To end of 1919-1920.											Rate per cent.	
	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Water-rates, &c.	Collected with Land Revenue.	Total.	Direct Charges.	Indirect Charges.	Total.	Excess Revenue (surplus).	Excess Expenditure (deficit).	Of excess Revenue.	Of excess Expenditure.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
43.—Minor Works and Navigation.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs		
Works for which Capital and Revenue Accounts are kept.																			
Sind.																			
Works in Operation.																			
Sukkur Canal	13,76,052	61,761	14,37,813	...	...	...	13,76,052	61,761	14,37,813	3,496	1,99,838	2,03,334	1,25,095	2,009	1,27,104	76,230	...	5·30	...
Ghár do.	5,48,405	30,854	5,79,259	...	...	...	5,48,405	30,854	5,79,259	8,740	8,52,973	8,61,713	1,78,693	2,245	1,80,938	6,80,775	...	117·53	...
Suttah Canal	1,74,028	6,051	1,80,079	...	...	...	1,74,028	6,051	1,80,079	57	17,682	17,739	12,214	118	12,332	5,407	...	3·00	...
Alibhar Kacheri Canal ...	23,207	710	23,917	...	...	...	23,207	710	23,917	779	5,832	6,611	—2,003	—8	—2,011	8,622	...	36·05	...
Márak Great Canal	4,09,151	13,593	4,22,744	1,04,013	3,739	1,07,752	4,23,441	15,701	4,39,142	5,390	1,19,616	1,25,006	32,799	1,110	33,909	91,097	...	20·74	...
Surfrázwáh	1,18,559	6,121	1,24,680	...	...	...	1,18,559	6,121	1,24,680	1,626	30,588	32,214	11,758	396	12,154	20,060	...	16·09	...
Fuleli Canal	19,74,646	72,881	20,47,527	...	...	...	19,74,646	72,881	20,47,527	47,427	6,38,641	6,86,068	2,15,914	7,508	2,23,422	4,62,646	...	22·60	...
Hasanali Canal	2,89,929	14,876	3,04,805	...	...	...	2,89,929	14,876	3,04,805	473	39,293	39,766	22,237	745	22,982	16,784	...	5·51	...
Total Sind ...	49,13,977	2,06,847	51,20,824	1,04,013	3,739	1,07,752	49,28,267	2,08,955	51,37,222	67,988	19,04,463	19,72,451	5,96,707	14,123	6,10,830	13,61,621	...	26·50	...
Deccan and Gujará't.																			
Works in Operation.																			
Wangroli Tank	2,40,227	50,703	2,90,930	...	...	...	2,40,227	50,703	2,90,930	3,368	3,979	7,347	7,053	98	7,151	196	...	0·07	...
Tranza Nagrama Tank ...	2,38,032	42,603	2,80,635	...	...	...	2,38,032	42,603	2,80,635	918	11	929	2,934	44	2,978	...	2,049	...	0·73
Sávli Tank	2,34,179	21,031	2,55,210	...	...	...	2,34,179	21,031	2,55,210	1,450	2	1,452	3,899	58	3,957	...	2,505	...	0·98
Sahiat Tank	1,58,452	25,577	1,84,029	...	...	...	1,58,452	25,577	1,84,029	1,993	1,926	3,919	4,019	57	4,076	...	157	...	0·09
Futelao Tank	1,07,356	9,105	1,16,461	...	...	...	1,07,356	9,105	1,16,461	185	...	185	795	12	807	...	622	...	0·53
Hartála Tank	47,948	25,434	73,382	...	...	...	47,948	25,434	73,382	5,600	...	5,600	1,869	73	1,942	3,658	...	4·93	...
Mhasva Tank	1,28,781	10,175	1,38,956	...	...	...	1,28,781	10,175	1,38,956	2,182	...	2,182	3,152	123	3,275	...	1,093	...	0·79
Jáuda Canals	9,91,178	49,911	10 41,089	...	...	...	9,91,178	49,911	10,41,089	20,537	...	20,537	13,429	499	13,928	6,609	...	0·63	...
Parsul Tank	2,11,995	6,951	2,18,946	...	...	...	2,08,007	6,988	2,14,995	2,339	...	2,339	1,393	68	1,461	878	...	0·41	...

Pravara Left Bank Canal ...	3,24,317	23,233	3,47,550	...	...	...	3,24,317	23,233	3,47,550	17,487	76	17,563	13,227	693	13,920	3,643	...	1·05	...
Bhátodi Tank	3,52,685	27,022	3,79,707	...	...	...	3,52,685	27,022	3,79,707	7,428	3,402	10,830	9,041	248	9,289	1,541	...	0·41	...
Kásurdi do.	40,812	4,778	45,590	...	...	...	40,812	4,778	45,590	217	...	217	4,567	298	4,865	...	4,648	...	10·20
Shirsuphal do.	2,12,199	12,369	2,24,568	...	...	...	2,12,199	12,369	2,24,568	11,482	...	11,482	3,140	186	3,326	8,156	...	3·63	...
Bhádalvádi do.	2,13,115	14,307	2,27,422	...	...	...	2,13,115	14,307	2,27,422	7,509	...	7,509	3,515	205	3,720	3,789	...	1·67	...
Koregaon do.	37,923	1,266	39,189	...	...	...	37,923	1,266	39,189	864	...	864	4,143	171	4,314	...	3,450	...	8·80
Ashti do.	7,57,050	79,041	8,36,091	...	...	...	7,57,050	79,041	8,36,091	31,339	...	31,339	7,270	225	7,495	23,844	...	2·85	...
Páthri do.	6,27,825	15,021	6,42,846	...	...	...	6,27,825	15,021	6,42,846	8,409	...	8,409	2,041	68	2,109	6,300	...	0·98	...
Revári Canal	56,771	3,040	59,811	...	...	...	56,771	3,040	59,811	1,295	...	1,295	1,802	84	1,886	...	591	...	0·99
Upper Mán River Works ...	4,15,835	23,451	4,39,286	...	...	...	4,15,835	23,451	4,39,286	6,884	...	6,884	8,561	356	8,917	...	2,033	...	0·46
Yerla River Irrigation Works	7,27,683	44,131	7,71,814	...	...	...	7,19,542	45,328	7,64,870	23,087	...	23,087	9,559	407	9,966	13,121	...	1·72	...
Chikhli Canal...	53,803	3,639	57,442	...	...	...	53,803	3,639	57,442	1,428	...	1,428	439	18	457	971	...	1·69	...
Maini Tank	4,62,125	25,525	4,87,650	...	...	...	4,62,125	25,525	4,87,650	7,268	...	7,268	6,427	293	6,720	548	...	0·11	...
Muchkundi Tank	1,40,217	18,490	1,58,707	...	...	...	1,40,217	18,490	1,58,707	18	...	18	671	28	699	...	681	...	0·43
Gadikeri do.	16,363	555	16,918	...	...	...	16,363	555	16,918	...	2,061	2,061	369	7	376	1,685	...	9·96	...
Gokák Canal, First Section, and Storage Works ...	9,00,811	68,445	9,69,256	...	...	...	9,00,811	68,445	9,69,256	62,265 (a)	...	62,265	12,947	645	13,592	48,673	...	5·02	...
Dambal Tank	60,847	3,133	63,980	...	...	...	60,847	3,133	63,980	1,702	916	2,618	2,625	154	2,779	...	161	...	0·25
Medleri do.	78,354	3,038	81,392	...	...	...	78,354	3,038	81,392	1,019	...	1,019	370	21	391	628	...	0·77	...
Madag do.	1,61,248	6,350	1,67,598	...	...	...	1,61,248	6,350	1,67,598	3,850	...	3,850	918	46	964	2,886	...	1·72	...
Asundi do.	60,741	14,254	74,995	...	...	...	60,741	14,254	74,995	...	687	687	308	15	323	364	...	0·49	...
Mávinkop do.	30,185	3,319	33,504	...	...	...	30,185	3,319	33,504	...	2,288	2,288	458	14	472	1,816	...	5·42	...
Dharma Canal	95,582	2,752	98,334	1,752	43	1,795	95,466	2,322	97,788	1,926	—14,522	—12,596	1,464	207	1,671	...	14,267	...	14·59
Total Works in Operation ...	81,84,639	6,38,649	88,23,288	1,752	43	1,795	81,72,394	6,39,453	88,11,847	2,34,049	826	2,34,875	1,32,405	5,421	1,37,826	97,049	...	1·10	...
Works under Construction.																			
Victoria Tank	4,37,530	23,473	4,61,003	2,835	71	2,906	63,206	4,025	67,231	...	...	...	...	...	...	...	...	...	...
Suki River	...	...	...	...	...	...	15,139	385	15,524	...	...	...	...	...	...	...	...	...	...
Total ...	4,37,530	23,473	4,61,003	2,835	71	2,906	78,345	4,410	82,755	...	...	...	...	...	...	...	...	...	...
Works in Abeyance.																			
Gokák Canal, Second Section.	1,78,001	13,994	1,91,995	...	...	...	1,76,306	13,978	1,90,284	...	...	...	...	...	...	...	...	...	...
Total Deccan and Gujarát ...	88,00,170	6,76,116	94,76,286	4,587	114	4,701	84,27,045	6,57,841	90,84,886	2,34,049	826	2,34,875	1,32,405	5,421	1,37,826	97,049	...	1·06	...
Grand Total—Works for which Capital and Revenue Accounts are kept ...	1,37,14,147	8,82,963	1,45,97,110	1,08,600	3,853	1,12,453	1,33,55,312	8,66,796	1,42,22,108	3,02,037	19,05,289	22,07,326	7,29,112	19,544	7,48,656	14,58,670	...	10·25	...
Works for which only Revenue Accounts are kept.																			
Sind	...	...	...	...	...	...	...	...	...	52,082	25,51,776	26,03,858	11,97,978	...	11,97,978	14,05,880	...	...	...

NOTE.—(1) Direct Charges under Working Expenses include share of collection charges in the Civil Department calculated at certain percentages fixed by Government, but which are not adjusted in the Finance Accounts. The rate per cent. on the total cost (Rs. 13,81,922) of the Project comes to 3·52.

(a) Includes Rs. 24,862 adjusted by journal entry pertaining to the 3rd batch.

Bombay, 8th November 1920.

J. STUART MILNE,
Accountant General.

IRRIGATION BRANCH BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

Pravara River Canals.

Canal Project.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses ...	1,873	379	2,252	4,618	.....
B. Land	52,669	803	53,472	1,62,403	.....
C. Works	33,24,796	4,70,402	37,95,198	52,69,349	.....
K. Buildings	41,477	181	41,658	54,388	.....
O. Miscellaneous	32,084	272	32,356	34,751	.....
P. Maintenance	41,743	4,493	46,236	50,139	.....
Total Head Works ...	34,94,642	4,76,530	39,71,172	55,75,648	.....
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	11,484	886	12,370	13,155	.....
B. Land	61,145	1,309	62,454	77,223	.....
D. Regulators	45,043	3,760	48,803	50,172	.....
E. Falls and Weirs	15,649	...	15,649	15,654	.....
F. River and Hill torrent works ...	4,73,399	2,909	4,76,308	4,86,955	.....
G. Bridges	1,09,846	289	1,10,135	1,11,261	.....
H. Escapes	19,560	549	20,109	20,712	.....
K. Buildings	1,38,971	816	1,39,787	1,98,703	.....
L. Earth-work	15,97,151	—8,645	15,88,506	15,98,685	.....
M. Plantations	64,168	4,191	68,359	62,352	.....
O. Miscellaneous	19,528	10,652	30,180	35,827	.....
P. Maintenance	29,887	3,997	33,884	43,092	.....
Total Main Canals and Branches ...	25,85,831	20,713	26,06,544	27,13,791	.....
Carried over ...	60,80,473	4,97,243	65,77,716	82,89,439	.....

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920—continued.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1919-20.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	60,80,473	4,97,243	65,77,716	82,89,439	.....
I.—WORKS—*continued.*					
(3)—*Distributaries.*					
A. Preliminary Expenses ...	11,523	...	11,523	16,169	.....
B. Land	46,323	2,615	48,938	83,319	.....
C. Works	1,15,808	55,191	1,70,999	2,33,856	.....
L. Earth-work	51,903	37,976	89,879	64,725	.....
O. Miscellaneous	2,17,473	27,474	2,44,947	4,60,720	.....
P. Maintenance	225	—224	1	.....	.....
Total, Distributaries ...	4,43,255	1,23,032	5,66,287	8,58,789	.....
(5) Special Tools and Plant ...	.....	1,23,578	1,23,578	.....	.....
Total, I.—Works ...	65,23,728	7,43,853	72,67,581	91,48,228	.....
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ... 3. Executive	14,17,361	1,64,041	15,81,402	18,34,495	.....
Total, II.—Establishment ...	14,17,361	1,64,041	15,81,402	18,34,495	.....
III.—TOOLS AND PLANT	1,86,929	22,095	2,09,024	1,37,988	.....
IV.—Suspense Accounts	8	—7	1	.....	.....
Grand Total ...	81,28,026	9,29,982	90,58,008	1,11,20,711	.....
V.—*Less* Receipts on Capital Account.	8,223	1,097	9,320	.....	.....
Net Outlay ...	81,19,803	9,28,885	90,48,688	1,11,20,711	.....
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	75,83,312	9,28,885	85,12,197	1,11,20,711	.....
Chargeable to 43.—Minor Works and Navigation	22,623	...	22,623		
Chargeable to 33.—Famine Relief ...	5,13,868	...	5,13,868		
Total ...	81,19,803	9,28,885	90,48,688	1,11,20,711	.....

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	1,05,914	14,227	1,20,141	2. Main Canals and Branches ...	2,081	2,895	4,976
3. Sales of water ...	133	...	133	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	2,191	793	2,984	2. Main Canals and Branches ...	75,774	18,108	93,882
6. Other Canal Produce ...	279	545	824	3. Distributaries ...	4,772	829	5,601
9. Rents of Buildings.	785	1	786	Total ...	80,546	18,937	99,483
10. Fines	189	...	189	IV.—ESTABLISHMENT.			
11. Miscellaneous Receipts	2,042	35	2,077	1 & 2. Direction and Accounts ... 3. Executive	44,389	15,229	59,618
Total ...	1,11,533	15,601	1,27,134	Total ...	44,389	15,229	59,618
				V.—TOOLS AND PLANT ...	1,294	648	1,942
				VI.—REFUNDS OF REVENUE ...	462	...	462
II.—INDIRECT RECEIPTS.				Total ...	1,28,772	37,709	1,66,481
Irrigation share of Land Revenue collected in the Civil Department ...	...	...		Share of Collection Charges in the Civil Department	5,302	710	6,012
Total, Receipts ...	1,11,533	15,601	1,27,134	Indirect Charges debitable to Revenue Account as per Account No. 5	6,215	2,132	8,347
				Total, Charges ...	1,40,289	40,551	1,80,840
				Balance Net Revenue ...	—28,756	—24,950	—53,706
Grand Total ...	1,11,533	15,601	1,27,134	Grand Total ...	1,11,533	15,601	1,27,134

Note.—Loss of Revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17, *vide* Government Resolution No. A.I.-12327, dated 18th December 1917, Rs. 732.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1918-1919 ...	13,20,515	Net Revenue realized to end of 1918-1919 ...	—28,756
		Do. during 1919-1920 ...	—24,950
Interest charges for the year 1919-1920 ...	3,44,046		—53,706
		Balance net interest charges	17,18,267
Total ...	16,64,561	Total ...	16,64,561

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	60,897	.....	60,897
2. Leave and Pension Allowances	1,98,430	22,966	2,21,396
Total ..	2,59,327	22,966	2,82,293
REVENUE—			
2. Leave and Pension Allowances	6,215	2,132	8,347

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	72,67,581	91,48,228	18,80,647	72,67,581	Revised estimate for the Pravara River Canal Project sanctioned by the Secretary of State's Despatch No. 37-P.W. of 31st August 1917, *vide* Government of India's No. 613-I. of 16th November 1917, communicated in Government Resolution No. W.I.-3348, dated 4th April 1918, Rs. 1,27,04,607
Establishment ...	...	...	...	15,81,402	18,34,495	2,53,093	15,81,402	
Tools and Plant ...	...	...	...	2,09,024	1,37,988	—71,036	2,09,024	
Suspense Accounts.	..	...	...	1	...	—1	1	
Total ...	...	...	...	90,58,008	1,11,20,711	20,62,703	90,58,008	*Deduct*.—Estimate of the undermentioned works, as their separate accounts have been prepared as one account for the whole project has been kept in abeyance pending the new project is completed sufficiently to give water to the other canals, *vide* Government of India's No. 1951-I. of 18th September 1908, communicated in Government Resolution No. 2721 of 20th October 1908 :— Máládevi Tank ... Rs. 3,14,574 Pravara Left Bank Canal ... 3,47,550 Lákh Canal ... 3,71,891 Rs. 10,34,015
Less—Receipts on Capital Account.	...	...	...	9,320	...	—9,320	9,320	
Net Total ...	...	...	...	90,48,688	1,11,20,711	20,72,023	90,48,688	Net amount shown in this account... 1,16,70,592
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue	...	...	...	60,897	2,93,051	2,32,154	60,897	
Leave and Pension Allowances ...	...	...	...	2,21,396	2,56,830	35,434	2,21,396	
Total ...	...	...	...	2,82,293	5,49,881	2,67,588	2,82,293	
Grand Total ...	...	...	...	93,30,981	1,16,70,592	23,39,611	93,30,981	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKÁPUR TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1910.)	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses ...	7,678	...	7,678	7,678	7,678
B. Land	19,056	...	19,056	19,056	19,056
C. Masonry Works	8,82,680	...	8,82,680	8,82,680	8,82,680
K. Buildings	11,459	...	11,459	11,459	11,459
L. Earth-work	1,16,773	...	1,16,773	1,16,773	1,16,773
P. Maintenance	5,610	...	5,610	5,610	5,610
Total, Head Works ...	10,43,256	...	10,43,256	10,43,256	10,43,256
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	628	2	630	1,349	349
B. Land	4,921	1,713	6,634	10,417	2,102
C. Masonry Works	1,46,817	3,812	1,50,629	1,84,714	1,25,966
C (*b*). Falls and Weirs	392	...	392	392	392
C (*c*). River and Hill Torrent Works	71,143	...	71,143	.....	.....
C (*e*). Bridges	718	...	718	.....	.....
K. Buildings	11,990	...	11,990	6,148	6,148
L. Earth-work	1,71,295	—3,034	1,68,261	2,02,979	92,086
M. Plantations	5,183	...	5,183	5,183	5,183
O. Miscellaneous	3,949	...	3,949	320	.....
P. Maintenance	.....	...	.....	250	.....
Total, Main Canals and Branches ...	4,17,036	2,493	4,19,529	4,11,752	2,32,226
(3)—*Distributaries.*					
A. Preliminary Expenses ...	8,433	...	8,433	6,717	6,717
B. Land	3,221	...	3,221	3,221	3,221
C. Masonry Works	5,373	...	5,373	5,373	5,373
L. Earth-work	7,794	...	7,794	7,794	7,794
O. Miscellaneous	18,800	8,920	27,720	48,775	18,259
Total, Distributaries ...	43,621	8,920	52,541	71,880	41,364
Total, I.—Works ...	15,03,913	11,413	15,15,326	15,26,888	13,16,846
Carried over ...	15,03,913	11,413	15,15,326	15,26,888	13,16,846

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKÁPUR TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920—continued.

Heads of Account.	Direct Charges.			Cost of construction as now estimated (Construction estimate closed on 31st March 1910.)	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	15,03,913	11,413	15,15,326	15,26,888	13,16,846
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	3,14,747	2,517	3,17,264	3,19,082	57,852
3. Executive					2,15,153
4. Medical					2,810
Total, II.—Establishment ...	3,14,747	2,517	3,17,264	3,19,082	2,75,815
III.—TOOLS AND PLANT ...	58,676	339	59,015	58,786	55,775
Grand Total ...	18,77,336	14,269	18,91,605	19,04,756	16,48,436
V.—*Less* Receipts on Capital Account .	2,132	...	2,132	2,132	2,132
Net Outlay ...	18,75,204	14,269	18,89,473	19,02,624	16,46,304
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works .	18,40,888	14,269	18,55,157	19,02,624	16,11,988.
Do. 43.—Minor Works and Navigation ...	34,316	...	34,316		34,316
Total ...	18,75,204	14,269	18,89,473	19,02,624	16,46,304

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKA'PUR TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	1,03,884	22,686	1,26,570	1. Head Works	6,527	1,340	7,867
3. Sales of water ...	14	...	14	2. Main Canals and Branches	5,910	3,005	8,915
6. Other Canal Produce.	264	37	301	Total ...	12,437	4,345	16,782
9. Rents of Buildings.	286	2	288	II.—MAINTENANCE AND REPAIRS.			
10. Fines	61	114	175	1. Head Works	32,717	3,313	36,030
11. Miscellaneous Receipts	2,020	137	2,157	2. Main Canals and Branches.	30,007	3,783	33,790
				3. Distributaries ...	3,611	407	4,018
Total ...	1,06,529	22,976	1,29,505	Total ...	66,335	7,503	73,838
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ... 3. Executive	51,357	7,547	58,904
II.—INDIRECT RECEIPTS.				Total ...	51,357	7,547	58,904
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	V.—TOOLS AND PLANT ...	3,080	352	3,432
				VI.—REFUNDS OF REVENUE	40	...	40
				Total ...	1,33,249	19,747	1,52,996
				Share of Collection Charges in the Civil Department	5,199	1,140	6,339
Total, Receipts ...	1,06,529	22,976	1,29,505	Indirect Charges debitable to Revenue Account as per Account No. 5	7,189	1,057	8,246
				Total Charges ...	1,45,637	21,944	1,67,581
				Balance Net Revenue ...	—39,108	1,032	—38,076
Grand Total ...	1,06,529	22,976	1,29,505	Grand Total ...	1,06,529	22,976	1,29,505

N. B.—Construction Estimate closed on 31st March 1910—*vide* G. R. No. 872, dated 1st April 1910.
Completion Report approved in G. R. No. 443, dated 3rd March 1911.

Note.—Loss of Revenue due to concessions granted for wheat cultivation during the Rabi Season 1916-17, *vide* Government Resolution No. A.I-12327, dated 18th December 1917, Rs. 4,385.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKAPUR TANK.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1918-1919 .	7,84,359	Net revenue realized to end of 1918-1919 .	—39,108
		Do. during 1919-1920...	1,032
Interest charges for the year 1919-1920 ...	65,185		
			—38,076
		Balance net interest charges ...	8,87,620
Total ...	8,49,544	Total ...	8,49,544

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	17,297	.....	17,297
2. Leave and Pension Allowances	44,704	352	45,056
Total ..	62,001	352	62,353
REVENUE—			
2. Leave and Pension Allowances	7,189	1,057	8,246

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	12,04,069	1,12,777	13,16,846	1,98,480	2,10,042	11,562	15,15,326	
Establishment ...	2,51,351	24,464	2,75,815	41,449	43,267	1,818	3,17,264	
Tools and Plant ...	62,947	—7,172	55,775	3,240	3,011	—229	59,015	
Total ...	15,18,367	1,30,069	16,48,436	2,43,169	2,56,320	13,151	18,91,605	
Less—Receipts on Capital Account.	2,132	...	2,132	...	...	...	2,132	
Net Total ...	15,16,235	1,30,069	16,46,304	2,43,169	2,56,320	13,151	18,89,473	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	16,235	1,037	17,272	25	2,900	2,875	17,297	
Leave and Pension Allowances ...	35,829	3,424	39,253	5,803	6,057	254	45,056	
Total ...	52,064	4,461	56,525	5,828	8,957	3,129	62,353	
Grand Total ...	15,68,299	1,34,530	17,02,829	2,48,997	2,65,277	16,280	19,51,826	

Remarks.	Rs.
Government Resolution (Public Works Department) No. Z I.-3923, dated 11th April 1917 ...	2,50,243
Government Order (Public Works Department) No. Z.I.-12215, dated 17th September 1919 ...	15,034
	2,65,277

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

GODA'VARI CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated (Construction estimate closed on 31st March 1916.)	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses	5,480	...	5,480	5,480	5,480
B. Land	9,42,436	742	9,43,178	9,17,341	9,15,341
C. Works	31,64,633	10,523	31,75,156	32,45,154	31,41,569
K. Buildings	42,777	...	42,777	42,777	42,777
O. Miscellaneous	152	...	152	152	152
P. Maintenance	18,007	...	18,007	18,007	18,007
Total, Head Works ...	41,73,485	11,265	41,84,750	42,28,911	41,23,326
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	29,652	...	29,652	29,652	29,652
B. Land	1,07,788	...	1,07,788	1,06,806	1,06,542
D. Regulators	29,752	...	29,752	30,011	28,177
F. River and Hill Torrent Works ...	11,01,009	...	11,01,009	11,04,340	10,86,087
G. Bridges	1,03,799	...	1,03,799	1,07,987	92,651
H. Escapes	20,437	...	20,437	20,431	18,989
K. Buildings	1,91,032	...	1,91,032	1,90,770	1,88,165
L. Earth-work	17,50,156	...	17,50,156	17,45,325	17,18,741
M. Plantations	8,907	...	8,907	8,907	8,907
O. Miscellaneous	15,350	...	15,350	12,680	12,680
P. Maintenance	16,033	...	16,033	16,318	15,318
Total Main Canals and Branches ...	33,73,915	...	33,73,915	33,73,227	33,05,909
(3)—*Distributaries.*					
A. Preliminary Expenses	8,837	389	9,226	13,483	8,762
B. Land	28,063	...	28,063	30,081	26,513
C. Works	1,11,137	...	1,11,137	1,10,729	1,00,642
L. Earth-work	1,74,380	...	1,74,380	1,73,917	1,73,319
O. Miscellaneous	2,09,157	...	2,09,157	2,04,266	1,65,968
Total, Distributaries ...	5,31,574	389	5,31,963	5,32,476	4,75,204
Liabilities on completed works ...	...	...	...	3,967	...
Total I.—Works ...	80,78,974	11,654	80,90,628	81,38,581	79,04,439
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	13,02,326	2,570	13,04,896	12,89,725	12,42,980
3. Executive					
Total Establishment ...	13,02,326	2,570	13,04,896	12,89,725	12,42,980
III.—Tools and Plant	2,23,785	346	2,24,131	2,25,399	2,22,180
IV.—Suspense Accounts	...	...	...	2,245	2,245
Grand Total ...	96,05,085	14,570	96,19,655	96,55,950	93,71,844
V.—*Less*—Receipts on Capital Account ...	2,026	...	2,026	2,026	2,026
Net Outlay ...	96,03,059	14,570	96,17,629	96,53,924	93,69,818
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works	96,03,059	14,570	96,17,629	96,53,924	93,69,818

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

GODA'VARI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	8,020	1,633	9,653
				2. Main Canals and Branches	18,329	12,527	30,856
				3. Distributaries ...	386	...	386
1. Water-rates from Irrigation ...	12,86,898	4,41,393	17,28,291	Total ...	26,735	14,160	40,895
3. Sales of water ...	3,934	661	4,595	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	1,956	757	2,713	1. Head Works ...	66,528	11,597	78,125
6. Other Canal Produce	2,438	240	2,678	2. Main Canals and Branches ...	3,95,123	65,584	4,60,707
8. Navigation ...	2	30	32	3. Distributaries ..	42,549	11,332	53,881
9. Rents of Buildings .	3,920	85	4,005	Total ...	5,04,200	88,513	5,92,713
				IV.—ESTABLISHMENT.			
10. Fines	2,964	598	3,562	1 & 2. Direction and Accounts	2,82,418	71,109	3,53,527
11. Miscellaneous receipts	40,194	9,752	49,946	3. Executive ...			
				Total ...	2,82,418	71,109	3,53,527
Total ...	13,42,306	4,53,516	17,95,822	V.—TOOLS AND PLANT ...	7,770	3,050	10,820
				VI.—REFUNDS OF REVENUE	28,440	10,368	38,808
				Total ...	8,49,563	1,87,200	10,36,763
II.—INDIRECT RECEIPTS.				Share of Collection Charges in the Civil Department	65,848	22,459	88,307
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Indirect Charges debitable to Revenue Account as per Account No. 5	39,536	9,955	49,491
Total, Receipts ...	13,42,306	4,53,516	17,95,822	Total Charges ...	9,54,947	2,19,614	11,74,561
				Balance Net Revenue ...	3,87,359	2,33,902	6,21,261
Grand Total ...	13,42,306	4,53,516	17,95,822	Grand Total ...	13,42,306	4,53,516	17,95,822

N. B.—Construction Estimate closed on 31st March 1916, *vide* Government Order No. A.-I.—3470, dated 28th March 1916.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17, *vide* Government Resolution No. A. I.—12327, dated 18th December 1917, Rs. 31,760.

IRRIGATION BRANCH. BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

GODA'VARI CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1918-1919	27,15,488	Net revenue realized to end of 1918-1919	3,87,359
		Net revenue realized during 1919-1920.	2,33,902
Interest charges for the year 1919-1920.	3,29,737		6,21,261
		Balance net interest charges ...	24,23,964
Total ...	30,45,225	Total ...	30,45,225

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	3,09,393	...	3,09,393
2. Leave and Pension Allowances	1,82,323	360	1,82,683
Total ...	4,91,716	360	4,92,076
REVENUE—			
2. Leave and Pension Allowances	39,536	9,955	49,491

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Works ...	78,92,733	11,706	79,04,439	1,86,189	2,34,142	47,953	80,90,628	Extract paragraph 1 of Government of India (Public Works Department) letter No. 594-I., dated 31st October 1917, communicated under Government memorandum (Public Works Department) No. I.-109, dated 5th January 1918 2,00,549
Establishment ...	12,40,613	2,367	12,42,980	61,916	46,745	—15,171	13,04,896	Government Resolution (Public Works Department) No. W.I.- 11235, dated 21st November 1917 14,747
Tools and Plant ...	2,21,997	183	2,22,180	1,951	3,219	1,268	2,24,131	Government Resolution (Public Works Department) No. W.I.- 5085, dated 13th May 1918 4,641
Suspense Accounts.	2,245	...	2,245	—2,245	...	2,245	...	Government Resolution (Public Works Department) No. W.I.- 10321, dated 24th August 1918 1,362
								Government Resolution (Public Works Department) No. W.I.- 3327, dated 18th March 1919 75,184
Total ...	93,57,588	14,256	93,71,844	2,47,811	2,84,106	36,295	96,19,655	Total ... 2,96,483
Less—Receipts on Capital Account...	2,026	...	2,026	...	...	...	2,026	
Net Total ...	93,55,562	14,256	93,69,818	2,47,811	2,84,106	36,295	96,17,629	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	3,07,005	...	3,07,005	2,388	5,832	3,444	3,09,393	
Leave and Pension Allowances ...	1,73,684	331	1,74,015	8,668	6,545	—2,123	1,82,683	
Total ...	4,80,689	331	4,81,020	11,056	12,377	1,321	4,92,076	
Grand Total ...	98,36,251	14,587	98,50,838	2,58,867	2,96,483	37,616	1,01,09,705	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1906.)	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—*Head Works.*					
A. Preliminary Expenses	12,512	...	12,512	12,512	12,512
B. Land	2,23,024	...	2,23,024	2,23,024	2,23,024
C. Works	18,63,213	...	18,63,213	18,63,213	18,63,213
K. Buildings	13,283	...	13,283	13,283	13,283
M. Plantations	7,053	...	7,053	7,053	7,053
O. Miscellaneous	1,547	...	1,547	1,547	1,547
P. Maintenance	3,571	...	3,571	3,571	3,571
Total Head Works ...	21,24,203	...	21,24,203	21,24,203	21,24,203
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	51,163	18,268	69,431	91,805	26,040
B. Land	34,145	...	34,145	34,145	34,145
D. Regulators	20,697	...	20,697	20,697	20,697
F. River and Hill Torrent Works... ...	5,14,067	...	5,14,067	5,14,067	5,14,067
G. Bridges	53,443	...	53,443	53,443	53,443
K. Buildings	51,188	...	51,188	51,188	51,188
L. Earth-work	12,10,554	...	12,10,554	12,10,554	12,10,554
M. Plantations	6,928	...	6,928	6,928	6,928
N. Tanks and Reservoirs	5,58,005	...	5,58,005	5,58,005	5,58,005
O. Miscellaneous	4,027	...	4,027	4,027	4,027
P. Maintenance	11,167	...	11,167	11,167	11,167
Total Main Canals and Branches ...	25,15,384	18,268	25,33,652	25,56,026	24,90,261
Carried over ...	46,39,587	18,268	46,57,855	46,80,229	46,14,464

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL, INCLUDING SHETPHAL TANK.

CANAL PROJECT.

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC

No. 2.—Capital Account for, and to end of, 1919-1920—continued.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated (Construction estimates closed on 31st March 1906.)	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	46,39,587	18,268	46,57,855	46,80,229	46,14,464
I.—WORKS—*continued.*					
(3)—*Distributaries.*					
A. Preliminary Expenses	3,493	...	3,493	3,493	3,493
B. Land	12,192	...	12,192	12,192	12,192
C. Works	98,599	...	98,599	98,599	98,599
L. Earth-work	93,077	...	93,077	93,077	93,077
M. Plantations	8,715	...	8,715	8,715	8,715
Total Distributaries ...	2,16,076	...	2,16,076	2,16,076	2,16,076
Total, I.—Works ...	48,55,663	18,268	48,73,931	48,96,305	48,30,540
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	11,00,849	4,029	11,04,878	11,74,899	11,59,533
3. Executive					
4. Medical	11,004	...	11,004		
5. Special Survey...	77,065	...	77,065		
Total Establishment ...	11,88,918	4,029	11,92,947	11,74,899	11,59,533
III.—Tools and Plant ...	1,32,935	543	1,33,478	1,24,282	1,23,105
IV.—Suspense Accounts	103	—103	...	...	...
Grand Total ...	61,77,619	22,737	62,00,356	61,95,486	61,13,178
V.—*Less* Receipts on Capital Account ...	8,382	...	8,382	8,382	8,382
Net Outlay ...	61,69,237	22,737	61,91,974	61,87,104	61,04,796
Apportionment.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	53,47,584	22,737	53,70,321	53,65,451	52,83,143
Do. 43.—Minor Works and Navigation	8,21,653	...	8,21,653	8,21,653	8,21,653
Total ...	61,69,237	22,737	61,91,974	61,87,104	61,04,796

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL, INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	74,53,073	4,78,371	79,31,444	1. Head Works	21,961	1,325	23,286
3. Sales of water ...	2,649	105	2,754	2. Main Canals and Branches	68,803	4,019	72,822
4. Water-supply of towns	7	...	7	3. Distributaries ...	24,789	10,898	35,687
5. Plantations ...	66,098	654	66,752	4. Drainage and Protective Works	4,737	...	4,737
6. Other canal produce	15,016	3,255	18,271	Total ...	1,20,290	16,242	1,36,532
8. Navigation ...	30	...	30				
9. Rents of buildings	8,880	59	8,939				
10. Fines	7,696	18	7,714	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts	51,772	3,004	54,776	1. Head Works	1,62,142	14,427	1,76,569
Total ...	76,05,221	4,85,466	80,90,687	2. Main Canals and Branches	6,24,126	39,349	6,63,475
				3. Distributaries	1,79,093	11,195	1,90,288
II.—INDIRECT RECEIPTS.				4. Drainage and Protective Works	983	...	983
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	9,66,344	64,971	10,31,315
				III.—COMPENSATION ...	5	...	5
Total Receipts ...	76,05,221	4,85,466	80,90,687	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...			
				3. Executive ...	9,60,119	69,526	10,29,645
				4. Medical ...			
				Total ...	9,60,119	69,526	10,29,645
				V.—TOOLS AND PLANT ...	41,933	2,412	44,345
Carried over ...	76,05,221	4,85,466	80,90,687	Carried over ...	20,88,691	1,53,151	22,41,842

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL, INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920—continued.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought over ...	76,05,201	4,85,466	80,90,687	Brought over ...	20,88,691	1,53,151	22,41,842
				VI.—REFUNDS OF REVENUE	13,754	2	13,756
				Total ...	21,02,445	1,53,153	22,55,598
				Share of Collection Charges in the Civil Department	3,73,017	23,919	3,96,936
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,34,416	9,734	1,44,150
				Total Charges ...	26,09,878	1,86,806	27,96,684
				Balance Net Revenue ...	49,95,343	2,98,660	52,94,003
Grand Total ...	76,05,221	4,85,466	80,90,687	Grand Total ...	76,05,221	4,85,466	80,90,687

N.B.—Construction Estimate of the Nira Canal closed on 31st March 1899 *vide* Government Resolution No. 1847, dated 2nd April 1900.
Completion Report approved in Government Resolution No. 2367, dated 3rd December 1907.
Construction Estimate of the Shetphal Tank closed on 31st March 1906 *vide* Government Resolution No. 2434, dated 2nd October 1905.
Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi Season 1916-17 *vide* Government Resolution No. A. I.—12327, dated 18th December 1917—Rs. 7,305.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1918-19.	73,65,988	Net Revenue realized to end of 1918-19.	49,95,343
		Do. during 1919-20.	2,98,660
Interest charges for the year 1919-20...	(a)2,12,728		52,94,003
		Balance net interest charges	22,84,713
Total ...	75,78,716	Total ...	75,78,716

(a) Includes Rs. 840 adjusted by Transfer Entry No. 7 of 3rd January 1921 by the Comptroller General and communicated to this office.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	1,84,874	.....	1,84,874
2. Leave and Pension Allowances	1,83,722	564	1,84,286
Total ...	3,68,596	564	3,69,160
REVENUE—			
1. Capitalized abatement of Land Revenue	.....	.....	.....
2. Leave and Pension Allowances	1,34,416	9,734	1,44,150
Total ...	1,34,416	9,734	1,44,150

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	47,68,387	62,153	48,30,540	43,391	65,765	22,374	48,73,931	
Establishment ...	11,46,855	12,678	11,59,533	33,414	15,366	—18,048	11,92,947	
Tools and Plant ...	1,26,141	—3,036	1,23,105	10,373	1,177	—9,196	1,33,478	
Suspense Accounts ...	...	...	...	...	...	...	...	
Total ...	60,41,383	71,795	61,13,178	87,178	82,308	—4,870	62,00,356	
Less—Receipts on Capital Account ...	8,382	...	8,382	...	...	...	8,382	
Net Total ...	60,33,001	71,795	61,04,796	87,178	82,308	—4,870	61,91,974	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	1,83,159	1,715	1,84,874	...	1,350	1,350	1,84,874	
Leave and Pension Allowances ...	1,77,833	1,775	1,79,608	4,678	2,151	—2,527	1,84,286	
Total ...	3,60,992	3,490	3,64,482	4,678	3,501	—1,177	3,69,160	
Grand Total ...	63,93,993	75,285	64,69,278	91,856	85,809	—6,047	65,61,134	

	Rs.
Government Order (Public Works Department), No. 10162, dated 6th May 1920 (including supplementary estimate)...	28,421
Government Order (Public Works Department), No. 5370, dated 21st May 1918	3,311
Government Order (Public Works Department), No. 4945, dated 8th May 1918	5,758
Government Order (Public Works Department), No. 5142, dated 14th May 1918	2,563
Government Order (Public Works Department), No. 1802, dated 14th February 1919	17,273
Government Order (Public Works Department), No. 3659, dated 25th March 1919...	14,178
Government Order (Public Works Department), No. 4449, dated 14th April 1919	5,352
Government Order (Public Works Department), No. 6945, dated 21st July 1919	8,953
Total ...	85,809

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

MHASWAD TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	7,79,045	54,093 (a) 155	8,33,293	1. Head Works ...	20,157	102	20,259
3. Sales of water ...	650	12	662	2. Main Canals and Branches ...	2,678	...	2,678
4. Water-supply of towns.	29,846	...	29,846				
5. Plantations ...	29,200	1,064	32,048	3. Distributaries ...	2,360	314	2,674
6. Other canal produce		1,784		Total ...	25,195	416	25,611
9 Rents of buildings.	1,309	...	1,309	II.—MAINTENANCE AND REPAIRS.			
10. Fines	185	...	185				
11. Miscellaneous receipts	39,785	2,248	42,033	1. Head Works ...	55,537	435	55,972
Total ...	8,80,020	59,356	9,39,376	2. Main Canals and Branches ...	1,14,774	1,335	1,16,109
II.—INDIRECT RECEIPTS.				3. Distributaries ...	70,978	3,489	74,467
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	2,41,289	5,259	2,46,548
				III.—COMPENSATION ...	75	...	75
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,02,561	2,615	2,05,176
				3. Executive			
				Total ..	2,02,561	2,615	2,05,176
Total Receipts ...	8,80,020	59,356	9,39,376				
				V.—TOOLS AND PLANT ...	5,897	169	6,066
Carried over ...	8,80,020	59,356	9,39,376	Carried over ...	4,75,017	8,459	4,83,476

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

MHASWAD TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920—continued.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought over ...	8,80,020	59,356	9,39,376	Brought over ...	4,75,017	8,459	4,83,476
				VI.—REFUNDS OF REVENUE	348	...	348
				Total ...	4,75,365	8,459	4,83,824
				Share of Collection Charges in the Civil Department	40,513	2,535 (a) 155	43,203
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	28,416	366	28,782
				Total Charges ...	5,44,294	11,515	5,55,809
				Balance Net Revenue ...	3,35,726	47,841	3,83,567
Grand Total ...	8,80,020	59,356	9,39,376	Grand Total ...	8,80,020	59,356	9,39,376

N.B.—Last Capital Account detailed in the Administrative Accounts for 1906-1907.
Construction Estimate closed on 31st March 1901, *vide* Government Resolution No. 1197, dated 10th June 1901.
Completion Report approved in Government Resolution No. 1106, dated 22nd April 1903.
(*a*) Amount adjusted by credit to water rates and debit *per contra* on account of collection charges for the revenue realized by the Aundh State.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17, *vide* Government Resolution No. A.—I. 12327, dated 18th December 1917—Rs. 2494.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1918-1919	27,37,026	Net revenue realized to end of 1918-1919.	3,35,726
Interest charges for the year 1919-1920	68,341	Do. during 1919-1920.	47,841
			3,83,567
		Balance net interest charges	24,21,800
Total ...	28,05,367	Total ...	28,05,367

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	58	.....	58
2. Leave and Pension Allowances	28,358	366	28,724
Total ...	28,416	366	28,782

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

MA'LA'DEVI TANK.

TANK PROJECT.

No. 4 —Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1918-1919 ...	2,21,855	Net Revenue realized to end of 1918-1919 ...	.....
Interest charges for the year 1919-1920 ...	10,292	Do. during 1919-1920 ...	.....
			.....
		Balance net interest charges	2,32,147
Total ...	2,32,147	Total ...	2,32,147

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	875	.....	875
2. Leave and Pension Allowances	9,013	.....	9,013
Total ...	9,888	.....	9,888

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	2,42,869	2,43,319	450	2,42,869	This work is a part of the Pravara River Irrigation Project, but separate account has been maintained until the new project is completed sufficiently to give an increased supply of water to the other canals—*vide* Government of India's No. 1951-1, dated 18th September 1908, communicated in Government Resolution No. 2721 of 20th October 1908. Estimate amounting to Rs. 3,14,574 for direct and indirect charges included in the above project sanctioned in the Secretary of State's Despatch No. 37-P. W., dated 31st August 1917, communicated in Government of India's No. 613-I. of 16th November 1917—*vide* Government Resolution No. 3848 of 4th April 1918—has been shown here.
Establishment ...	...	...	...	60,546	60,653	107	60,546	
Tools and Plant,...	...	...	...	1,473	1,473	...	1,473	
Suspense Accounts	...	...	...	...	...	...	...	
Total ...	...	...	...	3,04,888	3,05,445	557	3,04,888	
Less—Receipts on Capital Account.	...	...	...	2,848	774	—2,074	2,848	
Net Total ...	...	...	...	3,02,040	3,04,671	2,631	3,02,040	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue.	...	...	...	875	875	...	875	
Leave and Pension Allowances ...	...	...	...	9,013	9,028	15	9,013	
Total ...	...	...	...	9,888	9,903	15	9,888	
Grand Total ...	...	...	...	3,11,928	3,14,574	2,646	3,11,928	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

BUDHIHAL TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates
	Previous.	1919-1920.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Works.					
(1)—Head Works.					
A. Preliminary Expenses	836	...	836	1,600	...
B. Land	8,174	...	8,174	30,204	...
C. Masonry Works	45,988	...	45,988	1,50,393	...
K. Buildings	5,696	...	5,696	5,696	...
L. Earth-work	3,28,697	...	3,28,697	7,62,720	...
O. Miscellaneous	5,043	...	5,043	7,707	...
P. Maintenance	4,323	391	4,714	4,651	...
Total, Head Works ...	3,98,757	391	3,99,148	9,62,971	...
(2)—Main Canals and Branches.					
Total, Main Canals and Branches ...	...	...	...	*1,66,500	...
Total, I.—Works ...	3,98,757	391	3,99,148	11,29,471	...
II.—Establishment.					
1 & 2. Direction and Accounts	89,656	87	89,743	54,973	...
3. Executive				1,97,617	...
Total, II.—Establishment ...	89,656	87	89,743	2,52,590	...
III.—Tools and Plant ...	5,041	12	5,053	16,468	...
Grand Total ...	4,93,454	490	4,93,944	13,98,529	...
V.—*Less*—Receipts on Capital Account ...	1,991	252	2,243	...	...
Net Outlay ...	4,91,463	238	4,91,701	13,98,529	...
Apportionment.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	36,592	238	36,830	13,98,529	...
Do. 43.—Minor Works and Navigation	29,588	...	29,588		
Do. 33.—Famine Relief ...	4,25,283	...	4,25,283		
Total ...	4,91,463	238	4,91,701	13,98,529	...

*Lump sum provision in the Estimate.

IRRIGATION BRANCH. BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

BUDHIHAL TANK.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1918-1919 ...	2,34,663	Net Revenue realized to end of 1918-1919 ...	.....
Interest charges for the year 1919-1920 ...	16,766	Do. during 1919-1920 ...	.....
			.....
		Balance net interest charges ...	2,51,429
Total ...	2,51,429	Total ...	2,51,429

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	5,741	.....	5,741
2. Leave and Pension Allowances	12,552	12	12,564
Total ...	18,293	12	18,305

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	3,99,148	11,29,471	7,30,323	3,99,148	Estimate sanctioned in the Secretary of State's Despatch No. 21 of 14th April 1905, as per Government of India's No. 793—I of 17th June 1905, communicated in Government Resolution No. 2053 of 1st August 1905.
Establishment ...	...	...	...	89,743	2,52,590	1,62,847	89,743	
Tools and Plant ...	...	...	...	5,053	16,468	11,415	5,053	
Total ...	...	...	...	4,93,944	13,98,529	9,04,585	4,93,944	
Less—Receipts on Capital Account.	...	...	...	2,243	....	—2,243	2,243	
Net Total ...	...	....	...	4,91,701	13,98,529	9,06,828	4,91,701	
INDIRECT CHARGES								
Capitalized abatement of Land Revenue ...	...	...	...	5,741	20,720	14,979	5,741	
Leave and Pension Allowances ...	...	...	...	12,564	35,362	22,798	12,564	
Total ...	...	...	...	18,305	56,082	37,777	18,305	
Grand Total ...	...	...	...	5,10,006	14,54,611	9,44,605	5,10,006	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA RIGHT BANK CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against close estimates.
	Previous.	1919-1920.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses ...	39,876	3	39,879	20,000	.....
B. Land	31,521	870	32,391	3,59,630	.....
C. Works	40,02,986 —8,42,317*	7,38,747	38,99,416	68,58,647	.....
K. Buildings	91,156	10,159	1,01,315	95,391	.....
O. Miscellaneous	59,470	9,765	69,235	79,231	.....
P. Maintenance	60,264	7,929	68,193	60,552	.....
Total, Head Works ...	34,42,956	7,67,473	42,10,429	74,73,451	.....
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	2,30,265	5,966	2,36,231	1,84,517	.....
B. Land	1,69,441	756	1,70,197	2,03,625	.....
D. Regulators	62	8	70	1,68,981	.....
F. River and Hill Torrent Works...	8,68,028 —150†	4,33,363	13,01,241	23,86,367	.....
G. Bridges	1,16,910	26,332	1,43,242	1,98,572	.....
H. Escapes	1,243	...	1,243	1,050	.....
K. Buildings	2,03,897 —92†	22,576	2,26,381	2,55,500	.....
L. Earth-work	54,41,287 —6,377†	3,62,086	57,96,996	63,43,621	.....
M. Plantations	35,000	6,266	41,266	35,000	.....
O. Miscellaneous.	15,955 6,619†	7,200	29,774	4,169	.....
P. Maintenance	42,103	11,451	53,554	90,000	.....
Total, Main Canals and Branches ...	71,24,191	8,76,004	80,00,195	98,71,402	.....
(3)—*Distributaries.*					
A. Preliminary Expenses ..	61,934	4,057	65,991	5,910	.....
B. Land	.....	...	.....	1,47,480	.....
C. Works	4,651	...	4,651	27,94,027	.....
Total, Distributaries ...	66,585	4,057	70,642	29,47,417	.....
(5)—*Special Tools and Plant.*	1,17,698 8,42,317*	1,79,501	11,39,516	.....	.....
Total, I.—Works ...	1,15,93,747	18,27,035	1,34,20,782	2,02,92,270	.....
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ... 3. Executive	18,87,583	4,02,916	22,90,499	43,54,327	.....
Total, II.—Establishment ...	18,87,583	4,02,916	22,90,499	43,54,327	.....
III.—TOOLS AND PLANT	6,21,830	54,293	6,76,123	3,25,271	.....
IV.—Suspense Accounts	1,67,634	2,24,412	3,92,046	.....	.....
Grand Total ...	1,42,70,794	25,08,656	1,67,79,450	2,49,71,868	.....
V.—*Less*—Receipts on Capital Account	12,097	2,216	14,313	.....	.....
Net Outlay ...	1,42,58,697	25,06,440	1,67,65,137	2,49,71,868	.....
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works ..	1,42,58,697	25,06,440	1,67,65,137	2,49,71,868	.....

* Transferred to the new sub-head 5—Special Tools and Plant.

† Erroneous classification in previous years rectified.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA RIGHT BANK CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1918-19.	17,23,858	Net Revenue realized to end of 1918-19 .	.....
Interest charges for the year 1919-20 ...	6,49,099	Net Revenue realized during 1919-20 .	.....
			.....
		Balance net Interest charges ...	23,72,957
Total ...	23,72,957	Total ...	23,72,957

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	60,141	260	60,401
2. Leave and Pension Allowances	2,64,262	56,408	3,20,670
Total ...	3,24,403	56,668	3,81,071

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	...	...	...	1,34,20,782	2,02,92,270	68,71,488	1,34,20,782	
Establishment ...	...	...	...	22,90,499	43,54,327	20,63,828	22,90,499	
Tools and Plant ...	...	...	...	6,76,123	3,25,271	—3,50,852	6,76,123	
Suspense Accounts ...	...	...	...	3,92,046	...	—3,92,046	3,92,046	
Total ...	...	...	...	1,67,79,450	2,49,71,868	81,92,418	1,67,79,450	
Less—Receipts on Capital Account	...	...	...	14,313	...	—14,313	14,313	
Net Total ...	...	...	...	1,67,65,137	2,49,71,868	82,06,731	1,67,65,137	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	...	...	...	60,401	1,91,025	1,30,624	60,401	
Leave and Pension Allowances	...	...	...	3,20,670	6,09,606	2,88,936	3,20,670	
Total ...	...	...	...	3,81,071	8,00,631	4,19,560	3,81,071	
Grand Total ...	...	...	...	1,71,46,208	2,57,72,499	86,26,291	1,71,46,208	Estimate sanctioned in Secretary of State's Despatch No. P. W. 30, dated 14th June 1912—*vide* Government of India's No. 697-I., dated 16th July 1912, communicated in Government Resolution, No. 7633, dated 21st August 1912.

N.B.—From the sanctioned provision of works Rs. 41,293 have been transferred to that of Tools and Plant—*vide* Government Resolution No. A. I.—1988, dated 17th February 1915, and No. A. I.—4435, dated 16th April 1916.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

DESERT CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated. (Construction Estimate closed on 31st March 1892.)	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
I.—Works.	Rs.	Rs.	Rs	Rs.	Rs.
(1)—*Head Works.*					
C. Works	63,481	...	63,481	63,481	63,481
K. Buildings	3,620	...	3,620	3,620	3,620
Total, Head Works ...	67,101	...	67,101	67,101	67,101
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	1,425	...	1,425	1,425	1,425
B. Land	2,095	...	2,095	2,095	2,095
D. Regulators	1,34,102	421	1,34,523	1,34,523	1,34,523
E. Falls and Weirs	75,450	...	75,450	75,450	75,450
F. River and Hill Torrent Works ...	3	...	3	3	3
G. Bridges	79,136	...	79,136	79,136	79,136
H. Escapes	15,835	...	15,835	15,835	15,835
I. Navigation Works	6,665	...	6,665	6,665	6,665
K. Buildings	72,274	...	72,274	72,274	72,274
L. Earth-work	14,56,901	...	14,56,901	14,56,901	14,56,901
M. Plantations	1,507	...	1,507	1,507	1,507
O. Miscellaneous	15,117	...	15,117	15,117	15,117
P. Maintenance	6,908	...	6,908	6,908	6,908
Total, Main Canals and Branches ...	18,67,418	421	18,67,839	18,67,839	18,67,839
(3)—*Distributaries.*					
A. Preliminary Expenses	50	...	50	50	50
B. Land	313	...	313	313	313
C. Works	1,03,626	...	1,03,626	1,03,626	1,03,626
L. Earth-work	1,05,205	...	1,05,205	1,05,205	1,05,205
Total Distributaries ...	2,09,194	...	2,09,194	2,09,194	2,09,194
Total, I.—Works ...	21,43,713	421	21,44,134	21,44,134	21,44,134
II.—Establishment.					
1 & 2. Direction and Accounts ...	4,85,706	67	4,85,773	4,85,773	4,85,773
3. Executive					
Total Establishment ...	4,85,706	67	4,85,773	4,85,773	4,85,773
III.—Tools and Plant	25,423	8	25,431	25,431	25,431
IV.—Suspense Accounts	.....	...	.....	.....	.....
Grand Total ...	26,54,842	496	26,55,338	26,55,338	26,55,338
V.—*Less*—Receipts on Capital Account	37	...	37	37	37
Net Outlay ...	26,54,805	496	26,55,301	26,55,301	26,55,301
Apportionment.					
Chargeable to 49—Irrigation ...	19,49,357	496	19,49,853	19,49,853	19,49,853
Chargeable to 43.—Minor Works and Navigation ...	7,05,448	...	7,05,448	7,05,448	7,05,448
Total ...	26,54,805	496	26,55,301	26,55,301	26,55,301

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

DESERT CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	21,03,994	78,907	21,82,901	1. Head Works ...	7,739	...	7,739
5. Plantations ...	7,840	68	8,989	2. Main Canals and Branches ...	1,95,865	736	1,96,601
6. Other canal produce ...		1,081		3. Distributaries ...	48,299	...	48,299
9. Rents of buildings	10,364	17	10,381	Total ...	2,51,903	736	2,52,639
10. Fines ...	19,862	1,392	21,254				
11. Miscellaneous receipts ...	24,721	661	25,382	II.—MAINTENANCE AND REPAIRS.			
Total ...	21,66,781	82,126	22,48,907	1. Head Works ...	43,743	...	43,743
				2. Main Canals and Branches ...	23,63,316	1,06,539	24,69,855
II.—INDIRECT RECEIPTS.				3. Distributaries ...	41,270	...	41,270
Irrigation share of Land Revenue collected in the Civil Department.	71,03,565	3,29,611	74,33,176	Total ...	24,48,329	1,06,539	25,54,868
Four per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 58-A. I., dated respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	45,655	2,219	47,874	III.—COMPENSATION ...	279	...	279
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	5,63,768	35,286	5,99,054
				3. Executive ...			
				Total ...	5,63,768	35,286	5,99,054
				V.—TOOLS AND PLANT ...	24,408	2,087	26,495
Total ...	71,49,220	3,31,830	74,81,050	VI.—REFUNDS OF REVENUE ...	7,245	...	7,245
Total Receipts ...	93,16,001	4,13,956	97,29,957				
				Total ...	32,95,932	1,44,648	34,40,580
Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and also on lands in Baluchistan Territory, and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :— Rs. To end of 1918-1919. 20,46,744 Loss for 1919-1920... 72,692 Total ...21,19,436				Share of Collection Charges in the Civil Department	5,08,635	19,937	5,28,572
				Indirect Charges debitable to Revenue Account as per Account No. 5	86,742	4,940	91,682
				Total Charges ...	38,91,309	1,69,525	40,60,834
				Balance Net Revenue ...	54,24,692	2,44,431	56,69,123
Grand Total ...	93,16,001	4,13,956	97,29,957	Grand Total ...	93,16,001	4,13,956	97,29,957

N.B.—Construction Estimate closed on 31st March 1892—*vide* Government Resolution No. 1253, dated 28th July 1891. Completion Report approved in Government Resolution No. 1760, dated 10th November 1893.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR *1919-1920.*

49.—IRRIGATION WORKS.

DESERT CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1918-1919 ...	27,62,085	Net Revenue realized to end of 1918-1919 ...	54,24,692
		Do. during 1919-1920 ...	2,44,431
			56,69,123
Interest charges for the year 1919-1920 ...	90,831		
		Balance net Interest charges	28,16,207
Total ...	28,52,916	Total ...	28,52,916

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Total.	1919-1920.	Previous.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	2,284	...	2,284
2. Leave and Pension Allowances	77,722	9	77,731
Total ...	80,006	9	80,015
REVENUE—			
1. Capitalized abatement of Land Revenue	5,778	...	5,778
2. Leave and Pension Allowances	80,964	4,940	85,904
Total ...	86,742	4,940	91,682

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

DESERT CANAL.

CANAL PROJECT.

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	9,86,127	11,58,007	21,44,134	...	...	...	21,44,134	
Establishment ...	2,20,523	2,65,250	4,85,773	...	...	...	4,85,773	
Tools and Plant ...	14,280	11,151	25,431	...	...	...	25,431	
Total ...	12,20,930	14,34,408	26,55,338	...	...	...	26,55,338	
Less—Receipts on Capital Account	37	...	37	...	...	...	37	
Net Total ...	12,20,893	14,34,408	26,55,301	...	..	...	26,55,301	
INDIRECT CHARGES.								
Capitalized Abatement of Land Revenue ...	...	2,284	2,284	...	...	...	2,284	
Leave and Pension Allowances ...	40,598	37,133	77,731	...	...	...	77,731	
Total ...	40,598	39,417	80,015	...	...	...	80,015	
Grand Total ...	12,61,491	14,73,825	27,35,316	...	...	...	27,35,316	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

UNHARWA'H.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	5,311	143	5,454				
4. Water-supply of towns ...	41	...	41	1. Head Works ...	79,300	...	79,300
5. Plantations ...	2,802	41	3,523	2. Main Canals and Branches	57,191	3,114	60,305
6. Other canal produce.		680		3. Distributaries ..	7,467	...	7,467
9. Rents of buildings.	103	...	103				
10. Fines ...	9,982	210	10,192	Total ...	1,43,958	3,114	1,47,072
11. Miscellaneous receipts ...	6,248	324	3,572				
Total ...	24,487	1,398	25,885	II.—MAINTENANCE AND REPAIRS.			
II.—INDIRECT RECEIPTS.				1. Head Works ...	387	...	387
Irrigation share of Land Revenue collected in the Civil Department	42,09,682	2,02,379	44,12,061	2. Main Canals and Branches... ..	7,50,806	26,522	7,77,328
Four per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A.I., dated, respectively, 20th June and 1st August 1889, commu nicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	71,606	3,060	74,666	3. Distributaries ...	11,224	...	11,224
				Total ...	7,62,417	26,522	7,88,939
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	1,56,342	9,177	1,65,519
				3. Executive			
				Total ...	1,56,342	9,177	1,65,519
Total ...	42,81,288	2,05,439	44,86,727				
Total Receipts ...	43,05,775	2,06,837	45,12,612	V.—TOOLS AND PLANT ..	6,438	577	7,015
				Total ...	10,69,155	39,390	11,08,545
				Share of Collection Charges in the Civil Department	2,73,966	12,164	2,86,130
				Indirect Charges debitable to Revenue Account as per Account No. 5	24,119	1,285	25,404
				Total Charges ...	13,67,240	52,839	14,20,079
				Balance Net Revenue ...	29,38,535	1,53,998	30,92,533
Grand Total ...	43,05,775	2,06,837	45,12,612	Grand Total ...	43,05,775	2,06,837	45,12,612

Note.—Loss to the canal on account of difference between assessment of water-rates on Jaghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.

	Rs.
To end of 1918-1919 ...	20,010
Loss for 1919-1920 ...	834
Total ...	20,844

N.B.—Last Capital Account detailed in the Administrative Accounts for 1915-16. Construction Estimate closed on 31st March 1891—*Vide* Government Resolution No. 1253, dated 28th July 1891. Completion Report approved in Government Resolution No. 590, dated 6th April 1892.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

UNWARWA'H.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1918-1919 ...	7,31,846	Net Revenue realized to end of 1918-1919...	29,38,535
Interest charges for the year 1919-1920 ...	26,172	Do. during 1919-1920 ...	1,53,998
			30,92,533
		Balance net Interest charges	—23,34,515
Total ...	7,58,018	Total ...	7,58,018

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	3,483	.....	3,483
2. Leave and Pension Allowances	20,636	1,285	21,921
Total ...	24,119	1,285	25,404

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

BEGA'RI CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1891.)	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(2)—*Main Canals and Branches.*					
B. Land	24,888	...	24,888	24,888	24,888
D. Regulators	3,57,038	...	3,57,038	3,57,038	3,57,038
G. Bridges	70,650	...	70,650	70,650	70,650
H. Escapes	7,092	...	7,092	7,092	7,092
I. Navigation Works	2,065	...	2,065	2,065	2,065
K. Buildings	35,779	...	35,779	35,779	35,779
L. Earth-work	10,59,759	...	10,59,759	10,59,759	10,59,759
M. Plantations	11,455	...	11,455	11,455	11,455
O. Miscellaneous.	4,543	...	4,543	4,543	4,543
Total, Main Canals and Branches ...	15,73,269	...	15,73,269	15,73,269	15,73,269
(3)—*Distributaries.*					
A. Preliminary Expenses ...	9,039	...	9,039	9,039	9,039
B. Land	69,071	2,752	71,823	71,823	71,823
C. Works	2,16,060	...	2,16,060	2,16,060	2,16,060
L. Earth-work	1,91,510	...	1,91,510	1,91,510	1,91,510
Recoveries from colonists ..	—20,768	—5,216	—25,984	—25,984	—25,984
Total, Distributaries ...	4,64,912	—2,464	4,62,448	4,62,448	4,62,448
Total, I—Works ...	20,38,181	—2,464	20,35,717	20,35,717	20,35,717
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	3,59,582	—394	3,59,188	3,59,188	3,59,188
3. Executive					
Total, Establishment ...	3,59,582	—394	3,59,188	3,59,188	3,59,188
III.—TOOLS AND PLANT ...	5,476	—48	5,428	5,428	5,428
IV.—Suspense Accounts ...	.....	...	.....	.....	.....
Grand Total ...	24,03,239	—2,906	24,00,333	24,00,333	24,00,333
V.—*Less* Receipts on Capital Account .	19	...	19	19	19
Net Outlay ...	24,03,220	—2,906	24,00,314	24,00,314	24,00,314
APPORTIONMENT.					
Chargeable to 49—Irrigation ...	24,03,220	—2,906	24,00,314	24,00,314	24,00,314

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

BEGA'RI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	TOTAL. Previous.	1919-1920.	Total.	Charges.	TOTAL. Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	13,18,670	24,999	13,43,669				
3. Sales of Water ...	525	160	685	1. Head Works ...	1,255	...	1,255
4. Water-supply of Towns.	1,295	...	1,295	2. Main Canals and Branches... ...	3,36,271	2,899	3,39,170
5. Plantations ...	15,117	12	15,418	3. Distributaries ...	17,208	770	17,978
6. Other Canal Produce.		289		Total ...	3,54,734	3,669	3,58,403
9. Rents of Buildings.	275	17	292				
10. Fines ...	20,065	561	20,626	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts ...	39,299	1,380	40,679	2. Main Canals and Branches... ...	31,88,185	1,10,053	32,98,238
Total ...	13,95,246	27,418	14,22,664	3. Distributaries ...	26,015	...	26,015
II.—INDIRECT RECEIPTS.				4. Drainage and Protective Works ...	17,343	...	17,343
Irrigation share of Land Revenue collected in the Civil Department.	1,54,80,014	5,52,037	1,60,32,051	Total ...	32,31,543	1,10,053	33,41,596
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 58—A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	2,13,945	9,528	2,23,473	II.—COMPENSATION.			
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	8,38,609	39,110	8,77,719
				3. Executive			
Total ...	1,56,93,959	5,61,565	1,62,55,524	Total ...	8,38,609	39,110	8,77,719
				V.—TOOLS AND PLANT ...	33,050	2,318	35,368
				VI.—REFUNDS OF REVENUE	1,751	...	1,751
Total, Receipts ...	1,70,89,205	5,88,983	1,76,78,188	Suspense Account ...	25	—27	—2
				Total ...	44,59,712	1,55,123	46,14,835
				Share of Collection Charges in the Civil Department	11,58,658	33,309	11,91,967
				Indirect Charges debitable to Revenue Account as per Account No. 5...	1,30,704	5,580	1,36,284
				Total Charges ...	57,49,074	1,94,012	59,43,086
				Balance Net Revenue ...	1,13,40,131	3,94,971	1,17,35,102
Grand Total ...	1,70,89,205	5,88,983	1,76,78,188	Grand Total ...	1,70,89,205	5,88,983	1,76,78,188

Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and also on lands in Baluchistan Territory and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.

	Rs.
To end of 1918-1919.	22,25,993
Loss for 1919-1920.	51,748
Total ...	22,77,741

N.B.—Construction Estimate closed on 31st March 1891—*Vide* Government Resolution No. 1253, dated 28th July 1891.
Completion Report approved in Government Resolution No. 753, dated 11th May 1892.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

BEGA'RI CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1918-19.	31,01,313	Net Revenue realized to end of 1918-19.	1,13,40,131
		Do. during 1919-1920 .	3,94,971
Interest charges for the year 1919-1920.	82,584		1,17,35,102
		Balance net Interest charges	—85,51,205
Total ...	31,83,897	Total ...	31,83,897

No. 5.— Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	17,925	6	17,931
2. Leave and Pension Allowances	61,381	—55	61,326
Total ...	79,306	—49	79,257
REVENUE—			
1. Capitalized abatement of Land Revenue	2,118	105	2,223
2. Leave and Pension Allowances	1,28,586	5,475	1,34,061
Total ...	1,30,704	5,580	1,36,284

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	13,91,068	6,44,649	20,35,717	...	...	...	20,35,717	
Establishment ...	2,29,894	1,29,294	3,59,188	...	...	...	3,59,188	
Tools and Plant ...	4,666	762	5,428	...	...	...	5,428	
Total ...	16,25,628	7,74,705	24,00,333	...	...	...	24,00,333	
Less—Receipts on Capital Account ...	19	...	19	...	...	...	19	
Net Total ...	16,25,609	7,74,705	24,00,314	...	...	...	24,00,314	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	4,246	13,685	17,931	...	...	...	17,931	
Leave and Pension Allowances	43,224	18,102	61,326	...	...	...	61,326	
Total ...	47,470	31,787	79,257	...	...	...	79,257	
Grand Total ...	16,73,079	8,06,492	24,79,571	...	...	...	24,79,571	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

MAHIWAH CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-20.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed Estimates.
	Previous.	1919-1920.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(2)—Main Canals and Branches.					
B. Land	62,933	...	62,933	68,616	...
D. Regulators	1,53,899	...	1,53,899	1,61,973	...
E. Falls and Weirs	8,272	...	8,272	8,291	...
G. Bridges	44,200	...	44,200	46,358	...
K. Buildings	34,288	...	34,288	34,288	...
L. Earth-work	4,14,441	...	4,14,441	4,42,880	...
Total, Main Canals and Branches ...	7,18,033	...	7,18,033	7,62,406	...
(3)—Distributaries.					
C. Works	69,822	...	69,822	78,946	...
L. Earth-work	79,871	...	79,871	80,121	...
Total, Distributaries ...	1,49,693	...	1,49,693	1,59,067	...
(4)—Drainage and Protective Works.					
B. Land	4,210	...	4,210	4,210	...
C. Works	50,954	...	50,954	50,954	...
L. Earth-work	2,04,631	...	2,04,631	2,04,631	...
Total, Drainage and Protective Works ...	2,59,795	...	2,59,795	2,59,795	...
Total, I.—Works ...	11,27,521	...	11,27,521	11,81,268	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	53,473	...	53,473	2,54,486	...
3. Executive	1,90,404	...	1,90,404		
Total, II.—Establishment ...	2,43,877	...	2,43,877	2,54,486	...
III.—TOOLS AND PLANT	9,500	...	9,500	9,500	...
Grand Total ...	13,80,898	...	13,80,898	14,45,254	...
V.—*Less*—Receipts on Capital Account ...	6	...	6	6	...
Net Outlay ...	13,80,892	...	13,80,892	14,45,248	...
APPORTIONMENT.					
Chargeable to 49.—Irrigation	13,80,892	...	13,80,892	14,45,248	...

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

MAHIWAH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,122	—205	3,917				
3. Sales of Water ...	6	...	6				
5. Plantations ...	430	33	463	2. Main Canals and Branches	90,975	14,121	1,05,096
6. Other Canal Produce	1,970	504	2,474	3. Distributaries ...	5,466	1,267	6,733
9. Rents of Buildings.	393	...	393	Total ...	96,441	15,388	1,11,829
10. Fines	9,785	19	9,804				
11. Miscellaneous Receipts	16,177	759	16,936	II.—MAINTENANCE AND REPAIRS.			
Total ...	32,883	1,110	33,993	2. Main Canals and Branches ...	7,06,228	83,673	7,89,901
				3. Distributaries ...	...	2,490	2,490
II.—INDIRECT RECEIPTS.				Total ...	7,06,228	86,163	7,92,391
Irrigation share of Land Revenue collected in the Civil Department	9,91,584	56,641	10,48,225	IV.—ESTABLISHMENT.			
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	44,685	2,797	47,482	1 & 2. Direction and Accounts ... 3. Executive	58,487	32,550	91,037
				Total ...	58,487	32,550	91,037
				V.—TOOLS AND PLANT ...	3,245	2,150	5,395
				VI.—REFUNDS OF REVENUE	184	...	184
Total ...	10,36,269	59,438	10,95,707	Total ...	8,64,585	1,36,251	10,00,836
Total, Receipts ...	10,69,152	60,548	11,29,700	Share of Collection Charges in the Civil Department	53,698	3,378	57,076
				Indirect Charges debitable to Revenue Account as per Account No. 5	11,706	4,557	16,263
Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No., 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Total, Charges ...	9,29,989	1,44,186	10,74,175
Rs.				Balance Net Revenue ...	1,39,163	—83,638	55,525
To end of 1918-1919... 91,428							
Loss for 1919-1920 ... 6,379							
Total ... 97,807							
Grand Total ...	10,69,152	60,548	11,29,700	Grand Total ...	10,69,152	60,548	11,29,700

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

MAHIWAH CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
		Net Revenue realized to end of 1918-1919 ...	1,39,163
Total Interest charges to end of 1918-1919 ...	7,85,043	Do. during 1919-1920 ...	—83,638
			55,525
Interest charges for the year 1919-1920 ...	47,051	Balance net Interest charges	7,76,569
Total ...	8,32,094	Total ...	8,32,094

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue...	24,649	.....	24,649
2. Leave and Pension Allowances	34,143	.....	34,143
Total ...	58,792	.....	58,792
REVENUE—			
1. Capitalized abatement of Land Revenue	3,518	.....	3,518
2. Leave and Pension Allowances	8,188	4,557	12,745
Total ...	11,706	4,557	16,263

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	11,27,521	11,81,268	53,747	11,27,521	Revised Estimate sanctioned in the Secretary of State's Despatch No. 20-P.W., dated 15th July 1910, communicated in Government of India's No. 691-I., dated 8th August 1910, *vide* Government Resolution No. W. I.—2211, dated 15th October 1910 ... ... Rs. 1,51,7356
Establishment ...	...	...	...	2,43,877	2,54,486	10,609	2,43,877	
Tools and Plant ...	...	...	...	9,500	9,500	...	9,500	
Total ...	...	...	...	13,80,898	14,45,254	64,356	13,80,898	
Less—Receipts on Capital Account...	...	...	...	6	6	...	6	
Net Total ...	...	...	...	13,80,892	14,45,248	64,356	13,80,892	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue...	...	...	...	24,649	36,425	11,776	24,649	
Leave and Pension Allowances ...	...	...	...	34,143	35,683	1,540	34,143	
Total ...	...	...	...	58,792	72,108	13,316	58,792	
Grand Total ...	...	...	...	14,39,684	15,17,356	77,672	14,39,684	

Note.—From the sanctioned provision of Establishment Rs. 397 have been transferred to that of Tools and Plant, *vide* paragraph 2 of Government Resolution No. 2228, dated 18th October 1910.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

EASTERN NARA WORKS.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1898.)	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
B. Land	1,638	...	1,638	1,638	1,638
C. Works	12,33,300	...	12,33,300	12,33,300	12,33,300
K. Buildings	1,862	...	1,862	1,862	1,862
Total, Head Works ...	12,36,800	...	12,36,800	12,36,800	12,36,800
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	2,709	...	2,709	5,439	2,554
B. Land	...	...	...	3,400	...
D. Regulators	2,57,668	...	2,57,668	2,82,849	2,57,668
G. Bridges	1,61,703	...	1,61,703	1,66,248	1,61,703
H. Escapes	45,632	...	45,632	45,632	45,632
K. Buldings	93,089	...	93,089	1,13,009	93,089
L. Earth-work	7,66,537	...	7,66,537	8,84,429	7,66,537
M. Plantations	16,742	...	16,742	17,356	16,742
N. Tanks and Reservoirs	1,441	...	1,441	1,441	1,441
O. Miscellaneous	32,121	...	32,121	36,530	32,121
P. Maintenance	...	...	...	11,788	...
Total, Main Canals and Branches ...	13,77,642	...	13,77,642	15,68,121	13,77,487
(3) *Distributaries.*					
A. Preliminary Expenses	7,165	65	7,230	7,773	3,910
B. Land	2,650	33	2,683	8,350	2,650
C. Works	3,15,190	15,047	3,30,237	3,16,813	2,66,490
L. Earth-work	1,89,352	49,091	2,38,443	2,42,316	1,12,073
M. Plantations	...	29	29	...	...
O. Miscellaneous	38,551	20,691	59,242	53,883	29,878
P. Maintenance	...	548	548	18,022	...
Total, Distributaries ...	5,52,908	85,504	6,38,412	6,42,157	4,15,001
(4) *Drainage and Protective Works.*					
A. Preliminary Expenses	65,327	...	65,327	65,327	65,327
B. Land	2,832	...	2,832	2,832	2,832
C. Works	2,38,182	...	2,38,182	2,38,182	2,38,182
L. Earth-work	20,29,845	...	20,29,845	20,29,845	20,29,845
O. Miscellaneous	425	...	425	425	425
Total, Drainage and Protective Works ...	23,36,611	...	23,36,611	23,36,611	23,36,611
Total, I.—Works ...	55,03,961	85,504	55,89,465	57,83,689	53,65,899
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	13,81,468	30,766	14,12,234	14,33,881	2,72,733
3. Executive					10,65,730
5. Special Survey	4,882	...	4,882	...	4,882
Total, II.—Establishment ...	13,86,350	30,766	14,17,116	14,33,881	13,43,345
III.—TOOLS AND PLANT	73,208	1,078	74,286	78,121	71,858
Grand Total ...	69,63,519	1,17,348	70,80,867	72,95,691	67,81,102
IV.—*Less*—Receipts on Capital Account ...	176	...	176	176	176
Net Outlay ...	69,63,343	1,17,348	70,80,691	72,95,515	67,80,926
APPORTIONMENT.					
Chargeable to 49.—Irrigation	45,73,553	1,17,348	46,90,901	49,05,725	43,91,136
Chargeable to 43.—Minor Works and Navigation	23,89,790	...	23,89,790	23,89,790	23,89,790
Total ...	69,63,343	1,17,348	70,80,691	72,95,515	67,80,926

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

EASTERN NÁRA WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,49,984	2,446	4,52,430	1. Head Works ...	15,217	800	16,017
3. Sales of water ...	3,152	7,786	10,938	2. Main Canals and Branches ...	2,77,916	6,100	2,84,016
5. Plantations ...	2,46,605	118	2,55,960	3. Distributaries ...	38,231	...	38,231
6. Other Canal Produce		9,237		4. Drainage and Protective Works ...	1,51,386	2,218	1,53,604
8. Navigation ...	6,811	322	7,133	Total ...	4,82,750	9,118	4,91,868
9. Rents of buildings	692	36	728				
10. Fines	42,721	1,548	44,269	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts	5,91,704	5,304	5,97,008	1. Head Works ...	2,72,486	26,735	2,99,221
Total ...	13,41,669	26,797	13,68,466	2. Main Canals and Branches ...	22,40,763	1,04,646	23,45,409
				3. Distributaries ...	72,240	...	72,240
II.—INDIRECT RECEIPTS.				Unclassified Outlay ...	5,36,057	...	5,36,057
Irrigation share of Land Revenue collected in the Civil Department.	2,13,05,877	5,60,149	2,18,66,026	4. Drainage and Protective Works ...	8,18,094	22,657	8,40,751
				Total ...	39,39,640	1,54,038	40,93,678
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	47,327	4,400	51,727	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	16,38,917	1,04,479	17,43,396
				3. Executive			
				Total ...	16,38,917	1,04,479	17,43,396
Total ...	2,13,53,204	5,64,549	2,19,17,753	V.—TOOLS AND PLANT ...	48,723	2,251	50,974
Total, Receipts ...	2,26,94,873	5,91,346	2,32,86,219	VI.—REFUNDS OF REVENUE	8,042	...	8,042
				Suspense Account ...	3,474	—3,446	28
				Total ...	61,21,546	2,66,440	63,87,986
				Share of Collection Charges in the Civil Department	16,49,947	33,978	16,83,925
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,56,114	14,627	2,70,741
				Total, Charges ...	80,27,607	3,15,045	83,42,652
				Balance Net Revenue ...	1,46,67,266	2,76,301	1,49,43,567
Grand Total ...	2,26,94,873	5,91,346	2,32,86,219	Grand Total ...	2,26,94,873	5,91,346	2,32,86,219

Note.—Loss to the canal on account of difference between assessment of water rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.

	Rs.
To end of 1918-1919.	6,31,181
Loss for 1919-1920...	29,074
Total ...	6,60,255

N. B.—Construction Estimate closed on 31st March 1898—*vide* Government Resolution No. 1766, dated 18th November 1895 Completion Report approved in Government Resolution No. 438, dated 17th February 1913.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

EASTERN NA'RA WORKS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1918-1919 ...	1,03,99,936	Net revenue realized to end of 1918-1919 ...	1,46,67,266
Interest charges for the year 1919-1920 ...	2,45,398	Do. during 1919-1920 ...	2,76,301
			1,49,43,567
		Balance net interest charges ...	—42,98,233
Total ...	1,06,45,334	Total ...	1,06,45,334

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	3,084	...	3,084
2. Leave and Pension Allowances	2,38,041	4,307	2,42,348
Total ...	2,41,125	4,307	2,45,432
REVENUE—			
1. Capitalized abatement of Land Revenue	2	.....	2
2. Leave and Pension Allowances	2,56,112	14,627	2,70,739
Total ...	2,56,114	14,627	2,70,741

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against Construction Estimate.	Expenditure against Open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Government of India, Public Works Department, No. 180-I., dated 16th February 1916, communicated in Government Resolution, Public Works Department, No. 3115, dated 18th March 1916 ... ... Rs. 3,84,516 Government of India, Public Works Department, No. 106-I., dated 1st May 1918, communicated in Government Resolution, Public Works Department, No. 5600, dated 29th May 1918 ... „ 1,48,042 5,32,558
Works	48,30,172	5,35,727	53,65,899	2,23,566	4,17,790	1,94,224	55,89,465	
Establishment	11,84,114	1,59,231	13,43,345	73,771	90,536	16,765	14,17,116	
Tools and Plant... ...	50,880	20,978	71,858	2,428	6,263	3,835	74,286	
Suspense Accounts ...	...	...	...	...	...	...	...	
Total ..	60,65,166	7,15,936	67,81,102	2,99,765	5,14,589	2,14,824	70,80,867	
Less—Receipt on Capital Account ...	179	—3	176	...	...	...	176	
Net Total ...	60,64,987	7,15,939	67,80,926	2,99,765	5,14,589	2,14,824	70,80,691	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	2,669	415	3,084	...	5,293	5,293	3,084	
Leave and Pension Allowances	2,09,728	22,293	2,32,021	10,327	12,676	2,349	2,42,348	
Total ...	2,12,397	22,708	2,35,105	10,327	17,969	7,642	2,45,432	
Grand Total ...	62,77,384	7,38,647	70,16,031	3,10,092	5,32,558	2,22,466	73,26,123	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

JÁMRÁO CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated. (Construction estimate closed on 31st March 1902.)	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—*Head Works.*					
A. Preliminary Expenses	4,738	...	4,738	4,738	4,738
B. Land	40,519	50,195	90,714	90,714	90,714
C. Works	16,71,357	...	16,71,357	16,71,357	16,71,357
K. Buildings	1,01,411	...	1,01,411	1,01,411	1,01,411
O. Miscellaneous	31,921	...	31,921	31,921	31,921
P. Maintenance	25,550	...	25,550	25,550	25,550
Total, Head Works ...	18,75,496	50,195	19,25,691	19,25,691	19,25,691
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	32,466	...	32,466	32,466	32,466
B. Land	25,269	...	25,269	25,269	25,269
D. Regulators	3,74,148	9,939	3,84,087	3,95,932	3,74,148
E. Falls and Weirs	85,625	...	85,625	85,625	85,625
F (1). Other Cross Drainage Works ...	1,83,594	...	1,83,594	1,83,594	1,83,594
G. Bridges	1,71,475	...	1,71,475	1,71,475	1,71,475
H. Escapes	44,222	...	44,222	44,222	44,222
K. Buildings	3,22,857	...	3,22,857	3,22,857	3,22,857
L. Earth-Work	25,26,346	...	25,26,346	25,26,346	25,26,346
M. Plantations	45,869	...	45,869	45,869	45,869
O. Miscellaneous	57,290	...	57,290	57,290	57,290
P. Maintenance	26,088	...	26,088	26,088	26,088
Total, Main Canals and Branches ...	38,95,249	9,939	39,05,188	39,17,033	38,95,249
Carried over ...	57,70,745	60,134	58,30,879	58,42,724	58,20,940

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

JA'MRA'O CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated (Construction estimatedclosed on 31st March 1902).	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	57,70,745	60,134	58,30,879	58,42,724	58,20,940
(3)—*Distributaries.*					
A. Preliminary Expenses	9,263	14	9,277	9,277	9,277
B. Land	10,112	...	10,112	10,292	10,112
C. Works	3,53,268	1,178	3,54,446	3,55,949	3,50,186
L. Earth-work	7,44,968	2,998	7,47,966	7,47,578	7,42,790
O. Miscellaneous	55,539	—7,370	48,169	48,214	47,996
P. Maintenance	10,041	...	10,041	10,041	10,041
Total, Distributaries ...	11,83,191	—3,180	11,80,011	11,81,351	11,70,402
(4)—*Drainage and Protective Works.*					
A. Preliminary Expenses	363	...	363	363	363
C. Works	23,824	...	23,824	23,824	23,824
L. Earth-work	31,145	...	31,145	31,145	31,145
O. Miscellaneous	9,134	...	9,134	9,134	9,134
Total, Drainage and Protective Works ...	64,466	...	64,466	64,466	64,466
Total I.—Works ...	70,18,402	56,954	70,75,356	70,88,541	70,55,808
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	14,90,773	10,455	15,01,228	15,19,175	15,11,920
3. Executive					
4. Medical	8,453	...	8,453		
5. Special Survey	8,947	...	8,947		
Total, Establishment ...	15,08,173	10,455	15,18,628	15,19,175	15,11,920
III.—TOOLS AND PLANT	1,81,351	1,062	1,82,413	1,82,795	1,82,195
IV.—SUSPENSE ACCOUNTS	4,606	...	4,606	4,606	4,606
Grand Total ...	87,12,532	68,471	87,81,003	87,95,117	87,54,529
V.—*Less*—Receipts on Capital Account ...	981	...	981	981	981
Net Outlay ...	87,11,551	68,471	87,80,022	87,94,136	87,53,548
APPORTIONMENT.					
Chargeable to 49—Irrigation	87,11,551	68,471	87,80,022	87,94,136	87,53,548

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

JA'MRA'O CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,72,627	1,706	4,74,333	1. Head Works ...	167	2,927	3,094
3. Sales of water ...	304	62	366	2. Main Canals and Branches ...	20,320	13,466	33,786
4. Water supply of towns ...	5	...	5	3. Distributaries ...	75,185	5,807	80,992
5. Plantations ...	5,866	1,630	7,496	Total ...	95,672	22,200	1,17,872
6. Other canal produce ...	1,24,170	36,999	1,61,169				
7. Water-power ...	13	...	13				
9. Rents of buildings.	12,938	220	13,158	II.—MAINTENANCE AND REPAIRS.			
10. Fines ...	2,22,753	16,904	2,39,657				
11. Miscellaneous Receipts ...	77,070	16,214	93,284	1. Head Works ...	77,567	16,197	93,764
Total ...	9,15,746	73,735	9,89,481	2. Main Canals and Branches ...	15,89,361	1,22,199	17,11,560
				3. Distributaries ...	12,46,303	83,599	13,29,902
II.—INDIRECT RECEIPTS.				4. Drainage and Protective Works ...	1,024	...	1,024
Irrigation share of Land Revenue collected in the Civil Department.	1,14,61,928	7,51,617	1,22,13,545	Total ...	29,14,255	2,21,995	31,36,250
				IV.—ESTABLISHMENT.			
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A.I., dated respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	7,85,752	73,410	8,59,162	1 & 2. Direction and Accounts ...	23,27,723	1,67,318	24,95,041
				3. Executive ...	...		
Total ...	1,22,47,680	8,25,027	1,30,72,707	Total ...	23,27,723	1,67,318	24,95,041
				V.—TOOLS AND PLANT ...	71,993	3,182	75,175
Total Receipts ...	1,31,63,426	8,98,762	1,40,62,188	VI.—REFUNDS OF REVENUE	336	472	808
				Suspense Account ...	—3,275	—1,329	—4,604
				Total ...	54,06,704	4,13,838	58,20,542
Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Share of Collection Charges in the Civil Department ...	3,66,471	23,552	3,90,023
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	3,26,901	23,467	3,50,368
Rs.							
To end of 1918-1919. 2,06,835							
Loss for 1919-1920... 13,391							
Total ... 2,20,226				Total Charges ...	61,00,076	4,60,857	65,60,933
				Balance Net Revenue ...	70,63,350	4,37,905	75,01,255
Grand Total ...	1,31,63,426	8,98,762	1,40,62,188	Grand Total...	1,31,63,426	8,98,762	1,40,62,188

N.B.—Construction Estimate closed on 31st March 1902—*vide* Government Resolution No. 1796, dated 28th August 1901.
Completion Report approved in Government Resolution No. 1706, dated 30th June 1906.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

JA'MRA'O CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1918-1919.	61,34,409	Net revenue realized to end of 1918-1919 ...	70,63,350
Interest charges for the year 1919-1920 ...	3,02,099	Do. during 1919-1920 ...	4,37,905
			75,01,255
		Balance net interest charges ...	—10,64,747
Total ...	64,36,508	Total ...	64,36,508

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	48,924	.....	48,924
2. Leave and Pension Allowances	2,11,144	1,464	2,12,608
Total ...	2,60,068	1,464	2,61,532
REVENUE—			
1. Capitalized abatement of Land Revenue	1,018	42	1,060
2. Leave and Pension Allowances	3,25,883	23,425	3,49,308
Total ...	3,26,901	23,467	3,50,368

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs. 10,906 Government Order (P. W. D.), No. W. I. 2470, dated 3rd March 1919 ...
Works ...	64,74,033	5,81,775	70,55,808	19,548	32,733	13,185	70,75,356	27,083 do. 12497, dated 23rd September 1919 ...
Establishment ...	11,51,054	3,60,866	15,11,920	6,708	7,255	547	15,18,628	3,814 do. 2199, dated 12th February 1920 ...
Tools and Plant ...	1,81,762	433	1,82,195	218	600	382	1,82,413	41,703
Suspense Accounts ...	53	4,553	4,606	...	...	...	4,606	
Total ...	78,06,902	9,47,627	87,54,529	26,474	40,588	14,114	87,81,003	
Less—Receipts on Capital Account.	981	...	981	...	...	...	981	
Net Total ...	78,05,921	9,47,627	87,53,548	26,474	40,588	14,114	87,80,022	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	35,896	13,028	48,924	...	100	100	48,924	Do. do.
Leave and Pension Allowances ...	1,61,148	50,520	2,11,668	940	1,015	75	2,12,608	Do. Do.
Total ...	1,97,044	63,548	2,60,592	940	1,115	175	2,61,532	
Grand Total ...	80,02,965	10,11,175	90,14,140	27,414	41,703	14,289	90,41,554	

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

DA'D CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated. (Construction estimate closed on 31st March 1907.)	Expenditure against closed estimates.
	Previous.	1919-20.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	4,134	.....	4,134	4,134	4,134
B. Land	39,338	.....	39,338	39,338	39,338
D. Regulators	2,00,254	.....	2,00,254	2,00,254	2,00,254
G. Bridges	91,352	.....	91,352	91,352	91,372
H. Escapes	13,077	.....	13,077	13,077	13,057
K. Buildings	89,030	.....	89,030	89,030	89,030
L. Earth-work	14,18,551	.....	14,18,551	14,18,551	14,18,551
O. Miscellaneous	7,086	.....	7,086	7,086	7,086
Total, Main Canals and Branches ...	18,62,822	.....	18,62,822	18,62,822	18,62,822
(3)—*Distributaries.*					
B. Land	2,600	.....	2,600	5,738	20
C. Works	91,637	.....	91,637	93,239	63,280
L. Earth-work	1,00,332	.....	1,00,332	1,04,564	24,564
O. Miscellaneous	1,02,200	—2,253	99,947	82,130	—5,145
Total, Distributaries ...	2,96,769	—2,253	2,94,516	2,85,671	82,719
(4)—*Drainage and Protective Works.*					
L. Earth-work	14,590	.....	14,590	14,590	14,590
O. Miscellaneous	505	.....	505	505	505
Total, Drainage and Protective Works.	15,095	.....	15,095	15,095	15,095
Total I.—Works ...	21,74,686	—2,253	21,72,433	21,63,588	19,60,636
II.—Establishment.					
1 & 2. Direction and Accounts ...	3,61,059	—810	3,60,249	3,83,785	3,29,645
3. Executive					
5. Special Survey	12,721	.....	12,721		12,721
Total, Establishment ...	3,73,780	—810	3,72,970	3,83,785	3,42,366
III.—Tools and Plant	19,296	—28	19,268	19,006	16,970
Grand Total ...	25,67,762	—3,091	25,64,671	25,66,379	23,19,972
V.—*Less*—Receipts on Capital Account.	34	.....	34	34	34
Net Outlay ...	25,67,728	—3,091	25,64,637	25,66,345	23,19,938
Apportionment.					
Chargeable to 49—Irrigation ...	25,63,901	—3,091	25,60,810	25,62,518	23,16,111
Do. 43—Minor Works and Navigation	3,827	.....	3,827	3,827	3,827
Total ...	25,67,728	—3,091	25,64,637	25,66,345	23,19,938

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

DA'D CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	12,996	—1,072	11,924	1. Head Works ...	1,447	...	1,447
5. Plantations ...	7,285	5	7,290	2. Main Canals and Branches ...	68,715	1,942	70,657
6. Other canal produce ...	1,209	17	1,226	3. Distributaries ...	3,543	793	4,336
9. Rents of buildings.	3,609	463	4,072	Average expenditure before improvements...	—86,127	...	—86,127
10. Fines ...	4,228	88	4,316				
11. Miscellaneous Receipts ...	11,657	—72	11,585	Total ...	—12,422	2,735	—9,687
Total ...	40,984	—571	40,413	II.—MAINTENANCE AND REPAIRS.			
II—INDIRECT RECEIPTS.				2. Main Canals and Branches ...	10,86,522	64,336	11,50,858
Irrigation share of Land Revenue collected in the Civil Department ...	23,08,979	1,86,086	24,95,065	3. Distributaries ...	28,791	8,227	37,018
				Total ...	11,15,313	72,563	11,87,876
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 53-A.I., dated respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	1,01,683	7,887	1,09,570	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,95,787	64,772	3,60,559
				3. Executive ...			
Total ...	24,10,662	1,93,973	26,04,635	Total ...	2,95,787	64,772	3,60,559
				V.—TOOLS AND PLANT...	10,513	1,133	11,646
Total Receipts ...	24,51,646	1,93,402	26,45,048	VI.—REFUNDS OF REVENUE ...	458	65	523
				Suspense Account ...	1,465	...	1,465
				Total ...	14,11,114	1,41,268	15,52,382
				Share of Collection Charges in the Civil Department	1,18,734	11,139	1,29,873
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	42,604	9,068	51,672
				Total Charges ...	15,72,452	1,61,475	17,33,927
				Balance Net Revenue ...	8,79,194	31,927	9,11,121
Grand Total ...	24,51,646	1,93,402	26,45,048	Grand Total ...	24,51,646	1,93,402	26,45,048

Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.

	Rs.
To end of 1918-1919.	3,47,638
Loss for 1919-1920 ...	17,575
Total ...	3,65,213

N.B.—Construction Estimate closed on 31st March 1907—*vide* Government Resolution No. 2191, dated 17th August 1908.
Completion Report approved in Government Resolution No. 1054, dated 30th April 1910.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

DA'D CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1918-1919 ...	15,78,367	Net revenue realized to end of 1918-1919 ...	8,79,194
		Do. during 1919-1920 ...	31,927
			9,11,121
Interest charges for the year 1919-1920 ...	87,182	Balance net Interest charges	7,54,428
Total ...	16,65,549	Total ...	16,65,549

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous	1919-1920.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	41,453	.....	41,453
2. Leave and Pension Allowances	52,329	—113	52,216
Total ...	93,782	—113	93,669
REVENUE—			
1. Capitalized abatement of Land Revenue	1,194	.....	1,194
2. Leave and Pension Allowances	41,410	9,068	50,478
Total ...	42,604	9,068	51,672

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	18,99,648	60,988	19,60,636	2,11,797	2,02,952	—8,845	21,72,433	
Establishment ..	3,16,663	25,703	3,42,366	30,604	41,419	10,815	3,72,970	
Tools and Plant ...	16,579	391	16,970	2,298	2,036	—262	19,268	
Total ...	22,32,890	87,082	23,19,972	2,44,699	2,46,407	1,708	25,64,671	
Less—Receipts on Capital Account ...	34	...	34	...	...	...	34	
Net Total ...	22,32,856	87,082	23,19,938	2,44,699	2,46,407	1,708	25,64,637	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	40,168	1,110	41,278	175	3,025	2,850	41,453	
Leave and Pension Allowances ...	44,333	3,598	47,931	4,285	5,799	1,514	52,216	
Total ...	84,501	4,708	89,209	4,460	8,824	4,364	93,669	
Grand Total ...	23,17,357	91,790	24,09,147	2,49,159	2,55,231	6,072	26,58,306	Revised Estimate of the Ren Distributary sanctioned by the Government of India—*vide* No. 979-I, dated 29th June 1914, communicated in Government Resolution No. W. I.-9017, dated 12th August 1914 ... ... Rs. 2,55,231

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

NASRAT CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated. (Construction estimate closed on 31st March 1907.)	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	1,653	...	1,653	1,653	1,653
B. Land	40,941	...	40,941	40,941	40,941
D. Regulators	1,84,574	...	1,84,574	1,84,574	1,84,574
G. Bridges	67,852	...	67,852	67,852	67,852
K. Buildings	69,315	...	69,315	69,315	69,315
L. Earth-work	9,78,967	...	9,78,967	9,78,967	9,78,967
O. Miscellaneous	4,430	...	4,430	4,430	4,430
Total, Main Canals and Branches ...	13,47,732	...	13,47,732	13,47,732	13,47,732
(3)—*Distributaries.*					
B. Land	576	...	576	576	576
C. Works	1,38,669	...	1,38,669	1,38,669	1,38,669
L. Earth-work	73,188	...	73,188	73,188	73,188
O. Miscellaneous	—18,021	—706	—18,727	—18,727	—18,727
Total, Distributaries ...	1,94,412	—706	1,93,706	1,93,706	1,93,706
(4)—*Drainage and Protective Works.*					
L. Earth-work	4,398	...	4,398	4,398	4,398
O. Miscellaneous	377	...	377	377	377
Total, Drainage and Protective Works ...	4,775	...	4,775	4,775	4,775
Total, I.—Works ...	15,46,919	—706	15,46,213	15,46,213	15,46,213
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	2,51,885	—255	2,51,630	2,51,630	2,51,630
3. Executive					
5. Special Survey	1,263	...	1,263	1,263	1,263
Total, Establishment ...	2,53,148	—255	2,52,893	2,52,893	2,52,893
III.—TOOLS AND PLANT	6,868	—9	6,859	6,859	6,859
Grand Total ...	18,06,935	—970	18,05,965	18,05,965	18,05,965
V.—*Less*—Receipts on Capital Account ...	158	...	158	158	158
Net Outlay ...	18,06,777	—970	18,05,807	18,05,807	18,05,807
APPORTIONMENT					
Chargeable to 49.—Irrigation	18,06,777	—970	18,05,807	18,05,807	18,05,807

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

NASRAT CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	—173	—140	—313				
3. Sales of water ...	98	...	98				
5. Plantations ...	3,027	4	3,031	2. Main Canals and Branches	67,296	4,239	71,535
6. Other canal produce	1,356	13	1,369	3. Distributaries. ...	3,001	3,828	6,829
8. Navigation ...	33	...	33	Total ...	70,297	8,067	78,364
9. Rents of buildings.	2,716	463	3,179				
10. Fines	3,828	40	3,868	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts	3,768	—118	3,650	2. Main Canals and Branches	10,47,956	66,139	11,14,095
Total ...	14,653	262	14,915				
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	23,32,387	1,78,485	25,10,872	1 & 2. Direction and Accounts ... ... / 3. Executive	3,08,304	57,051	3,65,355
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	1,37,057	13,310	1,50,367	Total ...	3,08,304	57,051	3,65,355
				V.—TOOLS AND PLANT...	9,772	1,019	10,791
				VI.—REFUND OF REVENUE	...	10	10
				Suspenee account ...	...	—556	—556
Total ...	24,69,444	1,91,795	26,61,239	Total ...	14,36,329	1,31,730	15,68,059
Total, Receipts ...	24,84,097	1,92,057	26,76,154	Share of Collection Charges in the Civil Department	1,39,322	10,724	1,50,046
Note.—Loss to the canal on account of difference between assessment of water rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Indirect charges debitable to Revenue Account as per Account No. 5	43,197	7,987	51,184
Rs. To end of 1918-1919...27,765 Loss for 1919-1920 ... 1,111 Total ...28,876				Total, Charges ...	16,18,848	1,50,441	17,69,289
				Balance Net Revenue ..	8,65,249	41,616	9,06,865
Grand Total ..	24,84,097	1,92,057	26,76,154	Grand Total ...	24,84,097	1,92,057	26,76,154

N.B.—Construction Estimate closed on 31st March 1907—*vide* Government Resolution No. 2191, dated 17th August 1908.
Completion Report approved in Government Resolution No. 1054, dated 30th April 1910.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

NASRAT CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1918-1919 ...	10,41,184	Net revenue realized to end of 1918-1919 ...	8,65,249
		Do. during 1919-1920 ...	41,616
Interest charges for the year 1919-1920 ...	61,420		9,06,865
		Balance net Interest charges	1,95,739
Total ...	11,02,604	Total ...	11,02,604

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	22,749	.....	22,749
2. Leave and Pension Allowances	35,440	—36	35,404
Total ...	58,189	—36	58,153
REVENUE—			
1. Capitalized abatement of Land Revenue	33	.....	33
2. Leave and Pension Allowances	43,164	7,987	51,151
Total ...	43,197	7,987	51,184

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	15,71,638	—25,425	15,46,213				15,46,213	
Establishment ...	2,23,469	29,424	2,52,893				2,52,893	
Tools and Plant ...	5,046	1,813	6,859				6,859	
Total ...	18,00,153	5,812	18,05,965				18,05,965	
Less—Receipts on Capital Account	158	...	158				158	
Net Total ...	17,99,995	5,812	18,05,807				18,05,807	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	15,098	7,651	22,749				22,749	
Leave and Pension Allowances	31,285	4,119	35,404				35,404	
Total ...	46,383	11,770	58,153				58,153	
Grand Total ...	18,46,378	17,582	18,63,960				18,63,960	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

SEHARWAH.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) *Head Works.*					
C. Works	.....	...	.....	50,000	.....
Total Head Works ...	.....	...	.....	50,000	.....
(2) *Main Canals and Branches.*					
A. Preliminary Expenses ...	.....	...	.....	4,768	.....
B. Land	.....	...	.....	12,803	.....
D. Regulators	.....	...	.....	70,765	.....
G. Bridges	.....	...	.....	23,853	.....
K. Buildings	.....	14,944	14,944	1,15,875	.....
L. Earth-Work	.....	...	.....	2,39,839	.....
P. Maintenance	.....	...	.....	18,172	.....
Total Main Canals and Branches ...	.....	14,944	14,944	4,86,075	.....
(3) *Distributaries.*					
B. Land	.....	...	.....	37,851	.....
C. Works	.....	...	.....	45,261	.....
L. Earth-Work	.....	...	.....	2,29,216	.....
O. Miscellaneous	.....	...	.....	—1,64,506	.....
P. Maintenance	.....	...	.....	5,828	.....
Total Distributaries ...	.....	...	.....	1,53,650	.....
Total I.—Works ...	.....	14,944	14,944	6,89,725	.....
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	.....	2,389	2,389	1,57,416	.....
3. Executive	.....				
5. Special Survey	.....	...	.....		
Total Establishment	...	2,389	2,389	1,57,416	.....
III.—TOOLS AND PLANT. ...	.....	291	291	10,346	.....
IV.—Suspense Accounts ...	.....	...	.....	...	.....
Grand Total ...	.....	17,624	17,624	8,57,487	.....
V.—*Less* Receipts on Capital Account...	.....	...	.....	.....	.....
Net Outlay ...	.....	17,624	17,624	8,57,487	.....
Apportionment.					
Chargeable to 49.—Irrigation ...	.....	17,624	17,624	8,57,487	.....

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS, FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

SEHARWAH.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of, 1918-1919 .	...	Net Revenue relized to end of 1918-1919 .	...
Interest charges for the yeer 1919-1920 ...	523	Net Revenue realized during 1919-1920 .	...
			...
		Balance net interest charges ...	523
Total ...	523	Tetal ...	523

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	.....	.....	.....
2. Leave and Pension Allowance	.....	334	334
Total ...	.....	334	334

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Perticulars.	Charges against closed sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	14,944	6,89,725	6,74,781	14,944	Government of India (Public Works Department) No. 86—I dated 15th March 1920. Communicated in Government (Public Works Department) No. W. I.—11573, dated 7th June 1920.
Establishment ...	...	...	...	2,389	1,57,416	1,55,027	2,389	
Tools and Plant ...	...	...	...	291	10,346	10,055	291	
Total ...	...	...	...	17,624	8,57,487	8,39,863	17,624	
Less—Receipts on Capital Account ...	...	...	...	...	...	...	...	
Total ...	...	...	...	17,624	8,57,487	8,39,863	17,624	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenus ...	...	...	...	...	...	...	...	
Leave and Pension Allowances ...	...	...	...	334	22,038	21,704	334	
Total ...	...	...	...	334	22,038	21,704	334	
Grand Total ...	...	...	...	17,958	8,79,525	8,61,567	17,958	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

NAULA'KHI CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1918-1919 ...	2,794	Net revenue realized to end of 1918-1919 ...	...
Interest charges for the year 1919-1920 ...	174	Do. during 1919-1920 ...	...
			...
		Balance net interest charges	2,968
Total ...	2,968	Total ...	2,968

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	...	...	...	4,876	9,72,019	9,67,143	4,876	Project sanctioned by the Secretary of State in Despatch No. 51-P. W., dated 5th December 1895, communicated in Government of India's No. 5-I., dated 14th January 1896—*vide* Government Resolution No. W. I.-145, dated 30th idem. The date for the construction of the work extended for a further period of 5 years from 6th December 1910, *vide* Government of India's letter No. 1270-I., dated 21st December 1910, communicated in Government Resolution (P. W.) No. 79, dated 17th January 1911.
Establishment	...	...	...	236	2,31,493	2,31,257	236	
Tools and Plant	...	...	...	...	14,423	14,423	...	
Total ...	...	...	...	5,112	12,17,935	12,12,823	5,112	
Less.—Receipts on Capital Account	...	...	...	...	...	...	...	
Net Total ...	...	...	...	5,112	12,17,935	12,12,823	5,112	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	...	...	...	...	12,470	12,470	...	
Leave and Pension Allowances	...	...	...	33	32,149	32,116	33	
Total ...	...	...	...	33	44,619	44,586	33	
Grand Total ...	...	...	...	5,145	12,62,554	12,57,409	5,145	

N.B.—Last Capital Account detailed in the Administrative Accounts for 1903-1904.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

HA'THMATI AND KHÁRI CUT CANALS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	9,66,313	15,766	9,82,079	1. Head Works ...	14,633	813	15,446
3. Sales of water ...	1,438	...	1,438	2. Main Canals and Branches	66,453	5,028	71,481
4. Water-supply of towns	1,919	740	2,659	3. Distributaries ...	7,057	105	7,162
5. Plantations ...	68,259	10	73,051	Total ...	88,143	5,946	94,089
6. Other Canal Produce		4,782		II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings.	37	...	37	1. Head Works	80,318	6,747	87,065
10. Fines	359	...	359	2. Main Canals and Branches	3,01,186	12,429	3,13,615
11. Miscellaneous Receipts	25,923	1,056	26,979	3. Distributaries ...	81,730	2,617	84,347
Total ...	10,64,248	22,354	10,86,602	4. Drainage and Protective Works ...	4,402	...	4,402
II.—INDIRECT RECEIPTS.				Total ...	4,67,636	21,793	4,89,429
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	III.—COMPENSATION ...	3,615	...	3,615
				IV.—ESTABLISHMENT.			
Total, Receipts ...	10,64,248	22,354	10,86,602	1 & 2. Direction and Accounts	2,34,342	3,701	2,38,043
				3. Executive			
				Total ...	2,34,342	3,701	2,38,043
				V.—TOOLS AND PLANT ...	8,339	587	8,926
				Profit and Loss	186	...	186
				VI.—REFUNDS OF REVENUE	3,843	...	3,843
				Total ...	8,06,104	32,027	8,38,131
				Share of Collection Charges in the Civil Department	48,341	795	49,136
				Indirect Charges debitable to Revenue Account as per Account No. 5	35,267	518	35,785
				Total, Charges ...	8,89,712	33,340	9,23,052
				Balance Net Revenue ...	1,74,536	-10,986	1,63,550
Grand Total ...	10,64,248	22,354	10,86,602	Grand Total ...	10,64,248	22,354	10,86,602

N.B.—Last Capital Account detailed in the Administrative Accounts for 1914-15 and No. 6 in the Administrative Accounts for 1915-16.

Construction Estimate of the Hathmati Canal closed in 1883-84 and that of the Khári Cut Canal closed on 31st March 1893—*vide* Government Resolution No. 1411, dated 12th September 1893, *vide* also Government Resolution No. 2902 of 10th December 1909.

Completion Report of the Khári Cut Canal approved in Government Resolution No. 683 of 16th April 1894.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

HA'THMATI AND KHÁRI CUT CANALS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1918-1919	11,08,029	Net revenue realized to end of 1918-1919.	1,74,536
		Do. during 1919-1920.	—10,986
			1,63,550
Interest charges for the year 1919-1920	42,288	Balance net interest charges ...	9,86,767
Total ...	11,50,317	Total ...	11,50,317

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	825	.....	825
2. Leave and Pension Allowances	34,442	518	34,960
Total ...	35,267	518	35,785

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

LOWER PÁNJHRA RIVER WORKS.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,12,535	12,697	4,25,232	1. Head Works ...	1,428	...	1,428
				2. Main Canals and Branches	24,121	...	24,121
3. Sales of water ...	440	...	440	3. Distributaries ...	9,358	...	9,358
5. Plantations ...	23,296	...	24,536	Total ...	34,907	...	34,907
6. Other Canal Produce		1,240		II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings.	45	3	48	1. Head Works ...	33,382	814	34,196
				2. Main Canals and Branches	17,200	438	17,638
10. Fines	503	...	503	3. Distributaries ...	71,642	524	72,166
11. Miscellaneous Receipts	6,255	126	6,381	4. Drainage and Protective Works ...	2,728	...	2,728
Total ...	4,43,074	14,066	4,57,140	Total ...	1,24,952	1,776	1,26,728
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	1,00,927	1,214	1,02,141
Irrigation share of Land Revenue collected in the Civil Department.	2,14,872	3,354	2,18,226	3. Executive			
				Total ...	1,00,927	1,214	1,02,141
Total, Receipts ...	6,57,946	17,420	6,75,366	V.—TOOLS AND PLANT ...	2,658	66	2,724
				Profit and Loss	19	...	19
				VI.—REFUNDS OF REVENUE	3,896	...	3,896
				Suspense Account ...	140	...	140
				Total ...	2,67,499	3,056	2,70,555
				Share of Collection Charges in the Civil Department	56,513	1,400	57,913
				Indirect Charges debitable to Revenue Account as per Account No. 5	14,646	170	14,816
				Total Charges ...	3,38,658	4,626	3,43,284
				Balance Net Revenue ...	3,19,288	12,794	3,32,082
Grand Total ...	6,57,946	17,420	6,75,366	Grand Total ...	6,57,946	17,420	6,75,366

N. B.—Last Capital Account detailed in the Administrative Accounts for 1898-99.
Construction Estimate closed on 31st March 1895—*vide* Government Resolution No. 148, dated 31st January 1896.
Completion Report approved in Government Resolution No. 1392, dated 3rd October 1896.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

LOWER PÁNJHRA RIVER WORKS.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1918-1919	8,12,514	Net revenue realized to end of 1918-1919 .	3,19,288
		Do. during 1919-1920 ...	12,794
			3,32,082
Interest charges for the year 1919-1920.	15,177	Balance net interest charges	4,95,609
Total ...	8,27,691	Total ...	8,27,691

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	94	...	94
2. Leave and Pension Allowances	14,552	170	14,722
Total ...	14,646	170	14,816

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

KADWA RIVER WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	5,73,561	27,489	6,01,050
3. Sales of water ...	455	...	455
5. Plantations ...	25,281	...	26,632
6. Other Canal Produce ...		1,351	
9. Rents of Buildings.	248	...	248
10. Fines ...	667	274	941
11. Miscellaneous receipts ...	7,214	182	7,396
Total ...	6,07,426	29,296	6,36,722
II.—INDIRECT RECEIPTS.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...
Enhanced Land Revenue as per Government Resolution No. 428, dated 6th August 1875.	26,133	594	26,727
Total ...	26,133	594	26,727
Total, Receipts ...	6,33,559	29,890	6,63,449
Carried over ...	6,33,559	29,890	6,63,449

Charges.	Total. Previous.	1919-1920.	Total.
I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Head Works ...	5,287	1,325	6,612
2. Main Canals and Branches ...	10,487	9,518	20,005
3. Distributaries ...	342	...	342
Total ...	16,116	10,843	26,959
II.—MAINTENANCE AND REPAIRS.			
1. Head Works ...	42,429	21,616	64,045
2. Main Canals and Branches ...	1,38,313	10,106	1,48,419
3. Distributaries ...	13,564	456	14,020
Total ...	1,94,306	32,178	2,26,484
IV.—ESTABLISHMENT.			
1 & 2. Direction and Accounts ...	2,32,161	27,397	2,59,558
3. Executive			
Total ...	2,32,161	27,397	2,59,558
V.—TOOLS AND PLANT ...	5,652	1,278	6,930
Carried over ...	4,48,235	71,696	5,19,931

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

KA'DWA RIVER WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920—continued.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	6,33,559	29,890	6,63,449	Brought forward...	4,48,235	71,696	5,19,931
				VI.—REFUNDS OF REVENUE ...	429	16	445
				Total ...	4,48,664	71,712	5,20,376
				Share of Collection Charges in the Civil Department .	28,820	1,389	30,209
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	33,470	3,836	37,306
				Total, Charges ...	5,10,954	76,937	5,87,891
				Balance Net Revenue ...	1,22,605	—47,047	75,558
Grand Total ...	6,33,559	29,890	6,63,449	Grand Total ...	6,33,559	29,890	6,63,449

N.B.—Last Capital Account detailed in the Administrative Accounts for 1910-11.
Construction Estimate closed on 31st March 1908—*vide* Government Resolution No. 2245, dated 25th August 1908.
Completion Report approved in Government Resolution No. 1041, dated 29th April 1910.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17, under Government Resolution No. A.I.—12327, dated 18th December 1917—Rs. 2,460.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1918-1919	11,78,134	Net revenue realized to end of 1918-1919	1,22,605
		Do. during 1919-1920.	—47,047
			75,558
Interest charges for the year 1919-1920.	33,113	Balance net interest charges ...	11,35,689
Total ...	12,11,247	Total ...	12,11,247

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	11	.....	11
2. Leave and Pension Allowances	33,459	3,836	37,295
Total ...	33,470	3,836	37,306

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

PRAVARA RIVER WORKS—LA'KH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	60,431	1,391	61,822	1. Head Works ...	629	...	629
3. Sales of water ...	54	...	54				
5. Plantations ...	14,251	38	14,546	2. Main Canals and Branches ...	86	...	86
6. Other Canal Produce ...		251					
9. Rents of Buildings	86	...	86				
10. Fines	250	17	267	Total ...	715	...	715
11. Miscellaneous Receipts... ...	711	...	711	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	10,574	...	10,574
Total ...	75,783	1,697	77,480	2. Main Canals and Branches	1,39,164	1,479	1,40,643
				3. Distributaries ...	4,950	...	4,950
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	1,54,688	1,479	1,56,167
				IV.—ESTABLISHMENT.			
Revenue for "Galper" land treated as Land Revenue —*Vide* Government Resolution No. 1829, dated 23rd November 1893 ...	6,201	225	6,426	1 & 2. Direction and Accounts ... ... 3. Executive ...	1,51,242	1,031	1,52,273
Total ...	6,201	225	6,426	Total ...	1,51,242	1,031	1,52,273
Total Receipts ...	81,984	1,922	83,906	V.—TOOLS AND PLANT ...	2,834	44	2,878
Carried over ...	81,984	1,922	83,906	Carried over ...	3,09,479	2,554	3,12,033

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

PRAVARA RIVER WORKS—LÁKH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920—continued.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	81,984	1,922	83,906	Brought forward ...	3,09,479	2,554	3,12,033
				VI.—REFUNDS OF REVENUE ...	116	...	116
				Total ...	3,09,595	2,554	3,12,149
				Share of Collection Charges in the Civil Department .	3,650	92	3,742
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	22,831	144	22,975
				Total, Charges ...	3,36,076	2,790	3,38,866
				Balance Net Revenue ...	—2,54,092	—868	—2,54,960
Grand Total ...	81,984	1,922	83,906	Grand Total ...	81,984	1,922	83,906

N.B.—Last Capital Account detailed in the Administrative Accounts for 1894-95.
Construction Estimate closed on 31st March 1894—*Vide* Government Resolution No. 1707, dated 2nd November 1894.
Completion Report approved in Government Resolution No. 87, dated 20th January 1896, and No. 1187, dated 17th August 1896.
Note.—Loss of Revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17, *vide* Government Resolution No. A.-I. 12327, dated 18th December 1917, Rs. 250.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1918-1919	6,81,348	Net revenue realized to end of 1918-19...	—2,54,092
		Do. during 1919-20...	—868
			—2,54,960
Interest charges for the year 1919-1920	12,010	Balance net Interest charges ...	9,48,318
Total ...	6,93,358	Total ...	6,93,358

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Leave and Pension Allowances	22,831	144	22,975

LIBRARY OF THE BOMBAY BRANCH

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1897.)	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) *Head Works.*					
A. Preliminary Expenses	8,391	...	8,391	8,391	8,391
B. Land	3,53,177	...	3,53,177	3,53,177	3,53,177
C. Masonry Works	28,90,673	...	28,90,673	28,90,673	28,90,673
K. Buildings	17,287	...	17,287	17,287	17,287
M. Plantations	3,059	...	3,059	3,059	3,059
O. Miscellaneous	820	...	820	820	820
P. Maintenance	1,231	...	1,231	1,231	1,231
Total, Head Works ...	32,74,638	...	32,74,638	32,74,638	32,74,638
(2) *Main Canals and Branches.*					
A. Preliminary Expenses... ...	2,828	...	2,828	2,828	2,828
B. Land	1,26,843	...	1,26,843	1,26,843	1,26,843
C. (*a*) Regulators	37,342	...	37,342	37,342	37,342
C. (*c*) River and Hill Torrent Works...	5,21,670	...	5,21,670	5,21,670	5,21,670
C. (*e*) Bridges	95,170	...	95,170	95,170	95,170
C. (*f*) Escapes	18,120	...	18,120	18,120	18,120
J. Mills	56,415	...	56,415	56,415	56,415
K. Buildings	10,111	...	10,111	10,111	10,111
L. Earth-work	9,89,763	...	9,89,763	9,89,763	9,89,763
M. Plantations	16,011	...	16,011	16,011	16,011
O. Miscellaneous	1,868	...	1,868	1,868	1,868
P. Maintenance	4,566	...	4,566	4,566	4,566
Total, Main Canals and Branches ...	18,80,707	...	18,80,707	18,80,707	18,80,707
Carried over ...	51,55,345	...	51,55,345	51,55,345	51,55,345

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920—continued.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1897.)	Expenditure account closed estimates.
	Previous.	1919-1920.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	51,55,345	...	51,55,345	51,55,345	51,55,345
(3) *Distributaries.*					
A. Preliminary Expenses	6,767	...	6,767	6,853	6,740
B. Land	5,666	...	5,666	5,666	5,666
C. Masonry Works	3,03,419	...	3,03,419	3,03,419	3,03,419
L. Earth-work	73,961	...	73,961	73,961	73,961
M. Plantations	407	...	407	407	407
O. Miscellaneous	8,01,559	...	8,01,559	8,01,559	8,01,559
Total, Distributaries ...	11,91,779	...	11,91,779	11,91,865	11,91,752
(4) *Drainage and Protective Works.*					
B. Land	7,328	...	7,328	7,328	7,328
L. Earth-work	1,188	...	1,188	1,188	1,188
Total, Drainage and Protective Works.	8,516	...	8,516	8,516	8,516
Adjustment of previous outlay...	—12,63,166	...	—12,63,166	—12,63,166	—12,63,166
Total, I.—Works ...	50,92,474	...	50,92,474	50,92,560	50,92,447
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	11,43,506	...	11,43,506	11,43,671	2,81,634
3. Executive					8,61,866
4. Medical	146	...	146	... ...	146
Departmental charges ...	—1,01,947	...	—1,01,947	—1,01,947	—1,01,947
Total, II.—Establishment ...	10,41,705	...	10,41,705	10,41,724	10,41,699
III.—TOOLS AND PLANT	1,18,288	...	1,18,288	1,18,289	1,18,287
IV.—SUSPENSE ACCOUNTS ...	—1,136	...	—1,136	—1,136	—1,136
Grand Total ...	62,51,331	...	62,51,331	62,51,437	62,51,297
V.—*Less* Receipts on Capital Account.	12,328	...	12,328	12,328	12,328
Net Outlay ...	62,39,003	...	62,39,003	62,39,109	62,38,969
Apportionment.					
Chargeable to—					
49.—Irrigation	52,83,962	...	52,83,962	52,83,962	52,83,962
43.—Minor Works and Navigation.	9,55,041	...	9,55,041	9,55,147	9,55,007
Total ...	62,39,003	...	62,39,003	62,39,109	62,38,969

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	60,61,414	3,08,013	63,69,427	1. Head Works ...	30,277	...	30,277
3. Sales of water ...	1,09,010	1,821	1,10,831				
4. Water-supply of towns ...	48,71,762	55,433	49,27,195	2. Main Canals and Branches ...	34,993	−2,778	32,215
5. Plantations ...	1,35,851	2,125	1,39,978	3. Distributaries ...	83,129	79	83,208
6. Other canal produce ...		2,002					
7. Water power ...	64,800	...	64,800	4. Drainage and Protective Works ...	4,864	...	4,864
8. Navigation ...	433	2	435				
9. Rents of buildings	5,188	26	5,214	Total ...	1,53,263	−2,699	1,50,564
10. Fines ...	2,146	...	2,146				
11. Miscellaneous receipts ...	2,13,048	1,187	2,14,235	II.—MAINTENANCE AND REPAIRS.			
Total ...	1,14,63,652	3,70,609	1,18,34,261	1. Head Works ...	1,29,894	9,705	1,39,599
II.—INDIRECT RECEIPTS.				2. Main Canals and Branches ...	7,31,883	35,949	7,67,832
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	3. Distributaries ...	10,69,127	3,042	10,72,169
Irrigation share on account of percolation from the Canal —*vide* Government Resolutions Nos. 1159 and 1539, dated, respectively 21st July and 29th September 1892 ...	1,163	54	1,217	4. Drainage and Protective Works ...	179	...	179
				Total ...	19,31,083	48,696	19,79,779
Total ...	1,163	54	1,217	III.—COMPENSATION ...	494	...	494
Total, Receipts ...	1,14,64,815	3,70,663	1,18,35,478	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts.			
				3. Executive ...	14,55,072	41,640	14,96,712
				Total ...	14,55,072	41,640	14,96,712
				V.—TOOLS AND PLANT ...	1,56,210	1,366	1,57,576
Carried over ...	1,14,64,815	3,70,663	1,18,35,478	Carried over ...	36,96,122	89,003	37,85,125

(a) For the years 1916-17 and 1917-18 and 1918-19.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920—continued.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	1,14,64,815	3,70,663	1,18,35,478	Brought forward ...	36,96,122	89,003	37,85,125
				VI.—REFUNDS OF REVENUE .	22,449	1	22,450
				Suspense Account ...	-1,408	-486	-1,894
				Total ...	37,17,163	88,518	38,05,681
				Share of Collection Charges in the Civil Department .	3,00,240	15,024	3,15,264
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	2,08,512	5,830	2,14,342
				Total, Charges ...	42,25,915	1,09,372	43,35,287
				Balance Net Revenue ...	72,38,900	2,61,291	75,00,191
Grand Total ...	1,14,64,815	3,70,663	1,18,35,478	Grand Total ...	1,14,64,815	3,70,663	1,18,35,478

N.B.—Construction Estimate of the Mutha Canal closed on 31st March 1897—*vide* Government Resolution No. 710, dated 13th May 1897; and that of the Mátoba Tank on 31st March 1892—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report of the Mutha Canal approved in Government Resolution No. 2241 of 30th October 1901 and that of the Mátoba Tank in Government Resolution No. 827 of 17th May 1894.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17, *vide* Government Resolution No. A.I.—12327, dated 18th December 1917, Rs. 2,665.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1918-1919	1,12,46,835	Net revenue realized to end of 1918-1919	72,38,900
Interest charges for the year 1919-1920.	(*a*) 2,12,115	Do. during 1919-1920.	2,61,291
			75,00,191
		Balance net Interest charges ...	39,58,759
Total ...	1,14,58,950	Total ...	1,14,58,950

(*b*) Includes Rs. -16,697 adjusted by Transfer Entry No. 7 of 3rd January 1921 by the Comptroller General and communicated to this Officer.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1917-1918.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	93,528	.....	93,528
2. Leave and Pension Allowances	2,01,613	.....	2,01,613
Total ...	2,95,141	.....	2,95,141
REVENUE—			
1. Capitalized abatement of Land Revenue	.....	.....	.....
2. Leave and Pension Allowances	2,08,512	5,830	2,14,342
Total ...	2,08,512	5,830	2,14,342

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	54,32,020	—3,39,573	50,92,447	27	113	86	50,92,474	
Establishment ...	10,12,260	29,439	10,41,699	6	25	19	10,41,705	
Tools and Plant ...	1,19,987	—1,700	1,18,287	1	2	1	1,18,288	
Suspense Accounts ...	...	—1,136	—1,136	...	...	...	—1,136	
Total ...	65,64,267	—3,12,970	62,51,297	34	140	106	62,51,331	
Less—Receipts on Capital Account ...	12,234	94	12,328	...	...	...	12,328	
Net Total ...	65,52,033	—3,13,064	62,38,969	34	140	106	62,39,003	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	58,776	34,752	93,528	...	...	...	93,528	
Leave and Pension Allowances... ...	1,89,546	12,066	2,01,612	1	4	3	2,01,613	
Total ...	2,48,322	46,818	2,95,140	1	4	3	2,95,141	
Grand Total ...	68,00,355	—2,66,246	65,34,109	35	144	109	65,34,144	

Rs. 144

Government Order No. W.I.-11541 (Public Works Department, dated 28th November 1918.)

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

EKRUK TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.							
				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	6,49,417	30,951	6,80,36				
3. Sales of water ...	4,29,848	89,266	5,19,118				
4. Water-supply of towns... ...	2,66,390	...	2,66,390	1. Head Works	5,096	198	5,294
5. Plantations ...	1,75,317	902	1,85,968	2. Main Canals and Branches	44,831	...	44,831
6. Other Canal produce ...		9,749		3. Distributaries	1,075	...	1,075
9. Rents of Buildings	359	6	365				
11. Miscellaneous Receipts ...	28,986	697	29,683	Total ...	51,002	198	51,200
Total ...	15,50,317	1,31,571	16,81,888	II.—MAINTENANCE AND REPAIRS.			
II.—INDIRECT RECEIPTS.				1. Head Works	94,570	1,605	96,175
				2. Main Canals and Branches	2,62,841	4,805	2,67,646
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	3. Distributaries	5,335	—2	5,333
				Total ...	3,62,746	6,408	3,69,154
				III.—COMPENSATION ...	69	...	69
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,56,807	2,958	2,59,765
				3. Executive			
				Total ...	2,56,807	2,958	2,59,765
				V.—TOOLS AND PLANT ...	7,421	247	7,668
Carried over ...	15,50,317	1,31,571	16,81,888	Carried over ...	6,78,045	9,811	6,87,856

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

EKRUK TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920—continued.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	15,50,317	1,31,571	16,81,888	Brought forward ...	6,78,045	9,811	6,87,856
				VI.—REFUNDS OF REVENUE.	1,157	...	1,157
				Suspense Account ...	—71	...	—71
				Total ...	6,79,131	9,811	6,88,942
				Share of Collection Charges in the Civil Department...	40,064	6,005	46,069
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	39,929	414	40,343
				Total Charges ...	7,59,124	16,230	7,75,354
				Balance Net Revenue ...	7,91,193	1,15,341	9,06,534
Grand Total ...	15,50,317	1,31,571	16,81,888	Grand Total ...	15,50,317	1,31,571	16,81,888

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-1896.
Construction Estimate closed on 31st March 1891—*vide* Government Resolution No. 1253, dated 28th July 1891.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1918-1919	23,11,026	Net revenue realized to end of 1918-1919	7,91,193
		Do. during 1919-1920.	1,15,341
Interest charges for the year 1919-1920.	41,849		9,06,534
		Balance net Interest charges ...	14,46,341
Total ...	23,52,875	Total ...	23,52,875

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances...	39,929	414	40,343

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1892).	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses ...	633	...	633	633	633
C. Works	2,04,990	...	2,04,990	2,07,072	1,45,889
K. Buildings	1,430	...	1,430	1,430	1,430
Total, Head Works ...	2,07,053	...	2,07,053	2,09,135	1,47,952
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	1,649	...	1,649	1,649	1,649
B. Land	16,740	...	16,740	16,740	16,740
F. River and Hill Torrent Works ...	1,95,671	...	1,95,671	1,95,671	1,95,671
G. Bridges	32,208	...	32,208	32,208	32,208
K. Buildings	12,100	...	12,100	12,100	12,100
L. Earth-work	2,32,717	...	2,32,717	2,32,717	2,32,717
M. Plantations	882	...	882	882	882
O. Miscellaneous	513	...	513	513	513
P. Maintenance	3,423	...	3,423	3,423	3,423
Total, Main Canals and Branches ...	4,95,903	...	4,95,903	4,95,903	4,95,903
(3)—*Distributaries.*					
B. Land	562	...	562	562	562
C. Works	16,279	...	16,279	16,279	16,279
L. Earth-work	12,442	...	12,442	12,442	12,442
M. Plantations	2,897	...	2,897	2,897	2,897
Total, Distributaries ...	32,180	...	32,180	32,180	32,180
Total, I.—Works ...	7,35,136	...	7,35,136	7,37,218	6,76,035
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	36,686	...	36,686	} 1,55,459	{ 33,980
3. Executive	1,18,587	...	1,18,587	}	{ 1,08,540
Total, Establishment ...	1,55,273	...	1,55,273	1,55,459	1,42,520
III.—TOOLS AND PLANT	2,568	...	2,568	2,585	1,682
Grand Total ...	8,92,977	...	8,92,977	8,95,262	8,20,237
V.—*Less*—Receipts on Capital Account.	... ...	...	.....	.....	.....
Net Outlay ...	8,92,977	...	8,92,977	8,95,262	8,20,237
Apportionment.					
Chargeable to 49.—Irrigation ...	8,18,545	...	8,18,545	8,20,830	7,45,805
Chargeable to 43.—Minor Works and Navigation	74,432	...	74,432	74,432	74,432
Total ...	8,92,977	...	8,92,977	8,95,262	8,20,237

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	16,95,258	87,606 (a)3,149	17,86,013	1. Head Works	1,877	...	1,877
3. Sales of water...	66	...	66	2. Main Canals and Branches	4,841	23	4,864
4. Water-supply of towns ...	6,232	...	6,232	3. Distributaries... ...	565	...	565
5. Plantations ...	85,531	420	85,951				
6. Other Canal produce ...				Total ...	7,283	23	7,306
9. Rents of Buildings	2,763	10	2,773				
11. Miscellaneous Receipts ...	404	7	411	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works	15,423	27	15,450
Total ...	17,90,254	91,192	18,81,446	2. Main Canals and Branches	3,29,169	4,912	3,34,081
				3. Distributaries... ...	25,012	...	25,012
				4. Drainage and Protective Works ...	395	...	395
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	3,69,999	4,939	3,74,938
				III.—COMPENSATION ...	20,071	556	20,627
Total, Receipts ...	17,90,254	91,192	18,81,446				
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ... 3. Executive	2,37,442	2,747	2,40,189
				Total ...	2,37,442	2,747	2,40,189
				V.—TOOLS AND PLANT ...	5,367	173	5,540
Carried over ...	17,90,254	91,192	18,81,446	Carried over ...	6,40,162	8,438	6,48,600

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920—continued.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	17,90,254	91,192	18,81,446	Brought forward ...	6,40,162	8,438	6,48,600
(a) Amount adjusted by credit to water-rates and debit *per contra* on account of the following charges recovered by the Native States from water-rate collection :—				VI.—REFUNDS OF REVENUE.	1,632	...	1,632
				Total ...	6,41,794	8,438	6,50,232
Loss of assessments on account of land taken up for the Canals, debited to III—Compensation— Rs. Sangli State ... 252 Pant Pratinidhi 304 — 556				Share of Collection Charges in the Civil Department .	1,05,555	3,430 (a) 2,593	1,11,578
Collection charges— Pant Pratinidhi— Rs. For recovery of water-rates . 2,307 Sangli State— For recovery of water-rates . 286 — 2,593 — Total ... 3,149				Indirect charges debitable to Revenue Account as per Account No. 5 ...	39,091	385	39,476
				Total, Charges ...	7,86,440	14,846	8,01,286
				Balance Net Revenue ...	10,03,814	76,346	10,80,160
Grand Total ...	17,90,254	91,192	18,81,446	Grand Total ...	17,90,254	91,192	18,81,446

N.B.—Construction Estimate closed on 31st March 1892, *vide* Government Resolution No. 777, dated 14th May 1892. Completion Report approved in Government Resolution No. 119, dated 22nd January 1894.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1918-1919	16,20,625	Net revenue realized to end of 1918-1919	10,03,814
		Do. during 1919-1920.	76,346
Interest charges for the year 1919-1920.	30,430		10,80,160
		Balance net Interest charges	5,70,895
Total ...	16,51,055	Total ...	16,51,055

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	21,822	.....	21,822
2. Leave and Pension Allowances	29,660	.....	29,660
Total ...	51,482	.....	51,482

IRRIGATION BRANCH — BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920—continued.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	64	.....	64
2. Leave and Pension Allowances	39,027	385	39,412
Total ...	39,091	385	39,476

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	6,60,941	15,094	6,76,035	59,101	61,183	2,082	7,35,136	Estimate sanctioned in Government of India, Public Works Department, No. 333-I., dated 30th March 1916, communicated in Government Order No. W.I.-4725 (Public Works Department), dated 4th May 1916.
Establishment ...	1,39,464	3,056	1,42,520	12,753	12,939	186	1,55,273	
Tools and Plant ...	1,682	...	1,682	886	903	17	2,568	
Suspense Accounts ...	...	...	...	...	...	...	...	
Total ...	8,02,087	18,150	8,20,237	72,740	75,025	2,285	8,92,977	
Less—Receipts on Capital Account ...	...	...	...	...	...	...	...	
Net Total ...	8,02,087	18,150	8,20,237	72,740	75,025	2,285	8,92,977	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	17,222	4,600	21,822	...	...	...	21,822	
Leave and Pension Allowances ...	27,446	428	27,874	1,786	1,811	25	29,660	
Total ...	44,668	5,028	49,696	1,786	1,811	25	51,482	
Grand Total ...	8,46,755	23,178	8,69,933	74,526	76,836	2,310	9,44,459	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

SUKKUR CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs
1. Water-rates from Irrigation ...	44,920	1,140	46,060				
3. Sales of water ...	...	2	2	1. Head Works ...	15,425	...	15,425
5. Plantations ...	24,986	63	26,462	2. Main Canals and Branches ...	1,38,839	1,587	1,40,426
6. Other canal produce		1,413		3. Distributaries ...	863	...	863
9. Rents of Buildings.	4,495	17	4,512				
10. Fines	6,918	62	6,980				
11. Miscellaneous Receipts	35,141	799	35,940	Total ...	1,55,127	1,587	1,56,714
Total ...	1,16,460	3,496	1,19,956				
II.—INDIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
Irrigation share of Land Revenue collected in the Civil Department.	55,79,110	1,98,987	57,78,097	1. Head Works ...	6,627	...	6,627
4 per cent. on $\frac{2}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889...	18,912	851	19,763	2. Main Canals and Branches ...	16,04,536	95,186	16,99,722
				Total ...	16,11,163	95,186	17,06,349
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	4,75,246	14,349	4,89,595
				3. Executive			
Total ...	55,98,022	1,99,838	57,97,860	Total ...	4,75,246	14,349	4,89,595
Total, Receipts ...	57,14,482	2,03,334	59,17,816	V.—TOOLS AND PLANT ...	18,428	1,962	20,390
Carried over ...	57,14,482	2,03,334	59,17,816	Carried over ...	22,59,964	1,13,084	23,73,048

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

SUKKUR CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920—continued.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	57,14,482	2,03,334	59,17,816	Brought forward ...	22,59,964	1,13,084	23,73,048
				VI.—REFUNDS OF REVENUE	119	...	119
				Total ...	22,60,083	1,13,084	23,73,167
Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :—				Share of Collection Charges in the Civil Department	4,14,365	12,011	4,26,376
Rs. To end of 1918-1919. 2,50,692 Loss for 1919-1920 ... 3, 22				Indirect Charges debitable to Revenue Account as per Account No. 5	75,419	2,009	77,428
Total ... 2,54,114				Total, Charges ...	27,49,867	1,27,104	28,76,971
				Balance Net Revenue ...	29,64,615	76,230	30,40,845
Grand Total ...	57,14,482	2,03,334	59,17,816	Grand Total ...	57,14,482	2,03,334	59,17,816

N. B.—Last Capital Account detailed in the Administrative Accounts for 1918-19.
Construction Estimate Closed on 31st March 1896—*vide* Government Resolution No. 1411, dated 12th September 1893.
Completion Report approved in Government Resolution No. 569, dated 27th March 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	3,101	.....	3,101
2. Leave and Pension Allowances	72,318	2,009	74,327
Total ...	75,419	2,009	77,428

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

GHA'R CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,55,080	3,429	2,58,509	I.—EXTENSIONS AND IMPROVEMENTS.			
5. Plantations ...	75,192	120	76,933	1. Head Works ...	1,407	...	1,407
6. Other canal produce		1,621		2. Main Canals and Branches	3,88,743	16,070	4,04,813
9. Rents of Buildings.	23,406	241	23,647	3. Distributaries ...	12,796	...	12,796
10. Fines	20,333	362	20,695				
11. Miscellaneous Receipts	2,05,275	2,967	2,08,242	Total ..	4,02,946	16,070	4,19,016
Total ...	5,79,286	8,740	5,88,026				
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department.	3,03,76,959	8,45,364	3,12,22,323	II.—MAINTENANCE AND REPAIRS.			
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A.-I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 .	1,48,607	7,609	1,56,216	2. Main Canals and Branches ...	43,08,780	93,442	44,02,222
				3. Distributaries ...	15,675	...	15,675
				Total ...	43,24,455	93,442	44,17,897
Total ...	3,05,25,566	8,52,973	3,13,78,539	III.—COMPENSATION.	108	...	108
Total, Receipts ...	3,11,04,852	8,61,713	3,19,66,565	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	12,70,270	16,034	12,86,304
				3. Executive ...			
				Total ...	12,70,270	16,034	12,86,304
				V.—TOOLS AND PLANT ...	10,529	2,212	12,741
Carried over ...	3,11,04,852	8,61,713	3,19,66,565	Carried over ...	60,08,308	1,27,758	61,36,066

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

GHA'R CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920—continued.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	3,11,04,852	8,61,713	3,19,66,565	Brought forward ...	60,08,308	1,27,758	61,36,066
				VI.—REFUNDS OF REVENUE	184	...	184
				Suspense Account ...	34	—34	...
				Total ...	60,08,526	1,27,724	61,36,250
				Share of Collection Charges in the Civil Department	24,53,619	50,969	25,04,588
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,09,639	2,245	2,11,884
				Total, Charges ...	86,71,784	1,80,938	88,52,722
				Balance Net Revenue ...	2,24,33,068	6,80,775	2,31,13,843
Grand Total ...	3,11,04,852	8,61,713	3,19,66,565	Grand Total ...	3,11,04,852	8,61,713	3,19,66,565

Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.

	Rs.
To end of 1918-1919.	12,58,214
Loss for 1919-1920 .	33,090
Total ...	12,91,304

N.B.—Last Capital Account detailed in the Administrative Accounts for 1914-15. Construction Estimate closed on 31st March 1879—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 927, dated 11th June 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	16,045	.....	16,045
2. Leave and Pension Allowances	1,93,594	2,245	1,95,839
Total ...	2,09,639	2,245	2,11,884

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

SUTTAH CANAL.

CANAL PROJECT.

No 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation	329	—14	315				
5. Plantations	58	...	58	2. Main Canals and Branches Average expenditure before Improvements	5,279	4,780	10,059
6. Other canal produce ...	1,180	13	1,193		—29,910	—1,934	—31,904
10. Fines	159	...	159				
11. Miscellaneous Receipts ...	—159	58	—101				
Total ...	1,567	57	1,624	Total ...	—24,631	2,786	—21,845
II.—INDIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
Irrigation share of Land Revenue collected in the Civil Department	1,71,293	16,861	1,88,154	2. Main Canals and Branches	1,35,543	7,265	1,42,808
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889.	6,783	821	7,604	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts.	10,492	840	11,332
Total ...	1,78,076	17,682	1,95,758	3. Executive			
Total, Receipts ...	1,79,643	17,739	1,97,382	Total ...	10,492	840	11,332
Note.—Loss to the canal on account of difference between assessment of water-rates on jágtir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :—				V.—TOOLS AND PLANT ...	—300	308	8
				Total ...	1,21,104	11,199	1,32,303
Rs.				Share of Collection Charges in the Civil Department ...	10,144	1,015	11,159
To end of 1918-1919 4,237							
Loss for 1919-1920 269				Indirect Charges debitable to Revenue Account as per Account No. 5	1,469	118	1,587
Total ... 4,506				Total, Charges ...	1,32,717	12,332	1,45,049
				Balance Net Revenue ...	46,926	5,407	52,333
Grand Total ...	1,79,643	17,739	1,97,382	Grand Total ...	1,79,643	17,739	1,97,382

N.B.—Last Capital Account detailed in the Administrative Accounts for 1912-1913. Construction Estimate closed on 31st March 1910—*vide* Government Resolution No. 299, dated 5th February 1910. Completion Report approved in Government Resolution No. 950, dated 9th May 1911.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	1,469	118	1,587

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

ALIBHAR KACHERI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	25,119	383	25,502				
5. Plantations ...	3,910	...	4,160	2. Main Canals and Branches	5,316	...	5,316
6. Other canal produce		250					
10. Fines	129	...	129				
11. Miscellaneous Receipts... ...	3,673	146	3,819	4. Drainage and Protective Works ...	245	...	245
Total ...	32,831	779	33,610	Total ...	5,561	...	5,561
II.—INDIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
Irrigation share of Land Revenue collected in the Civil Department.	2,89,226	4,992	2,94,218	2. Main Canals and Branches	21,213	—2,316	18,897
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A.I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	18,128	840	18,968	3. Distributaries ..	12,672	...	12,672
				Total ...	33,885	—2,316	31,569
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	22,018	—56	21,962
				3. Executive			
Total ...	3,07,354	5,832	3,13,186	Total ...	22,018	—56	21,962
				V.—TOOLS AND PLANT...	857	46	903
Total, Receipts ...	3,40,185	6,611	3,46,796	VI.—REFUNDS OF REVENUE	19	...	19
				Total ...	62,340	—2,326	60,014
Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883:— Rs. To end of 1918-1919...1,17,416 Loss for 1919-1920 ... 2,331 Total ... 1,19,747				Share of Collection Charges in the Civil Department	24,708	323	25,031
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,644	—8	3,636
				Total, Charges ...	90,692	—2,011	88,681
				Balance Net Revenue ...	2,49,493	8,622	2,58,115
Grand Total ...	3,40,185	6,611	3,46,796	Grand Total ...	3,40,185	6,611	3,46,796

N.B.—Last Capital Account detailed in the Administrative Accounts for 1877-78. Construction Estimate closed on 31st March 1876—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1229, dated 1st August 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	3,644	—8	3,636

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

MARAK GREAT CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimated closed on 31st March 1882.)	Expenditure against closed estimates
	Previous.	1919-1920.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(2)—*Main Canals and Branches.*					
B. Land	1,062	...	1,062	1,062	100
D. Regulators	79,613	66,781	1,46,394	1,45,076	16,537
G. Bridges	929	...	929	929	929
K. Buildings	22,033	9,562	31,595	33,172	...
L. Earth-work	1,53,063	...	1,53,063	1,53,063	1,53,063
Total, Main Canals and Branches ...	2,56,700	76,343	3,33,043	3,33,302	1,70,629
Total I.—Works ...	2,56,700	76,343	3,33,043	3,33,302	1,70,629
II.—Establishment.					
1 & 2. Direction and Accounts ...	60,321	26,707	87,028	71,877	12,301
3. Executive					22,974
Total, Establishment ...	60,321	26,707	87,028	71,877	35,275
III.—Tools and Plant ...	2,487	963	3,450	4,052	1,612
Grand Total ...	3,19,508	1,04,013	4,23,521	4,09,231	2,07,516
V.—*Less* Receipts on Capital Account...	80	...	80	80	80
Net Outlay ...	3,19,428	1,04,013	4,23,441	4,09,151	2,07,436
Apportionment.					
Chargeable to 43—Minor Works and Navigation	3,19,428	1,04,013	4,23,441	4,09,151	2,07,436

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

MA'RAK GREAT CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920—continued.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	1,18,785	2,178	1,20,963				
3. Sales of water ...	15	...	15	2. Main Canals and Branches	44,328	748	45,076
5. Plantations ...	22,565	98	25,163				
6. Other canal produce.		2,500					
8. Navigation ...	124	...	124	Total ...	44,328	748	45,076
9. Rents of Buildings.	143	...	143				
10. Fines	2,395	...	2,395	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts	14,154	614	14,768	1. Head Works ...	3,416	...	3,416
				2. Main Canals and Branches	4,80,449	16,628	4,97,077
Total ...	1,58,181	5,390	1,63,571				
				Total ...	4,83,865	16,628	5,00,493
II.—INDIRECT RECEIPTS							
Irrigation share of Land Revenue collected in the Civil Department.	31,09,285	1,16,210	32,25,495	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	2,06,318	7,925	2,14,243
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	62,332	3,406	65,738	3. Executive			
				Total ...	2,06,318	7,925	2,14,243
				V.—TOOLS AND PLANT ...	4,068	395	4,463
				VI.—REFUNDS OF REVENUE ...	40	...	40
Total ...	31,71,617	1,19,616	32,91,233				
				Total ...	7,38,619	25,696	7,64,315
Total Receipts ...	33,29,798	1,25,006	34,54,804				
				Share of Collection Charges in the Civil Department	2,41,444	7,103	2,48,547
				Indirect Charges debitable to Revenue Account as per Account No. 5	30,958	1,110	32,068
				Total, Charges ...	10,11,021	33,909	10,44,930
				Balance Net Revenue ...	23,18,777	91,097	24,09,874
Grand Total ...	33,29,798	1,25,006	34,54,804	Grand Total ...	33,29,798	1,25,006	34,54,804

Note.—Loss to the canal on account of difference between assessment of water-rates on jágbir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :—

	Rs.
To end of 1918-1919 .	6,76,395
Loss for 1919-1920...	24,576
Total ...	7,00,971

N.B.—Construction Estimate closed on 31st March 1882—*vide* Government Resolution No. 1411, dated 12th September 1898. Completion Report approved in Government Resolution No. 1229, dated 1st August 1894.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

Marak Great Canal.

Canal Project.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue	1,554	.....	1,554
2. Leave and Pension Allowances	10,408	3,739	14,147
Total ...	11,962	3,739	15,701
REVENUE—			
1. Capitalized Abatement of Land Revenue	772	.....	772
2 Leave and Pension Allowances	30,186	1,110	31,296
Total ...	30,958	1,110	32,068

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against Closed Sanction.			Currrent Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction estimate.	Expenditure against open capital sanctions.	Total.	Charges to date	Amount of sanctioned estimate.	Unspent balance of estimate.		
Direct Charges.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	1,59,516	11,113	1,70,629	1,62,414	1,62,673	259	3,33,043	Revised estimate Sanctioned in Government Resolution No. W. I.—2367, dated 16th February 1920.
Establishment ...	32,719	2,556	35,275	51,753	36,602	−15,151	87,028	
Tools and Plant ...	1,445	167	1,612	1,838	2,440	602	3,450	
Total ...	1,93,680	13,836	2,07,516	2,16,005	2,01,715	−14,290	4,23,521	
Less—Receipts on Capital Account.	80	...	80	...	...	...	80	
Net Total ...	1,93,600	13,836	2,07,436	2,16,005	2,01,715	−14,290	4,23,441	
Indirect Charges								
Capitalized Abatement of Land Revenue ...	942	467	1,409	145	159	14	1,554	
Leave and Pension Allowances ...	6,544	357	6,901	7,246	5,124	−2,122	14,147	
Total ...	7,486	824	8,310	7,391	5,283	−2,108	15,701	
Grand Total ...	2,01,086	14,660	2,15,746	2,23,396	2,06,998	−16,398	4,39,142	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

SARFRAZWA'H CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	TOTAL. Previous.	1919-1920.	Total.	Charges.	TOTAL. Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	73,744	723	74,467				
5. Plantations... ...	21,469	...	22,231	2. Main Canals and Branches	41,306	...	41,306
6. Other canal produce .		762					
8. Navigation	62	...	62				
9. Rents of buildings	7	...	7				
10. Fines	327	20	347	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts... ...	7,400	121	7,521				
Total ...	1,03,009	1,626	1,04,635	2. Main Canals and Branches	3,34,741	6,986	3,41,727
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department	10,89,670	29,294	11,18,964	4. Drainage and Protective Works ...	6,778	...	6,778
				Total ...	3,41,519	6,986	3,48,505
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58 A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	29,425	1,294	30,719	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	1,23,672	2,825	1,26,497
				3. Executive			
				Total ...	1,23,672	2,825	1,26,497
Total ...	11,19,095	30,588	11,49,683	V.—TOOLS AND PLANT...	1,946	146	2,092
Total Receipts ...	12,22,104	32,214	12,54,318	VI.—REFUNDS OF REVENUE	4	...	4
				Total ...	5,08,447	9,957	5,18,404
Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Share of Collection Charges in the Civil Department	85,552	1,801	87,353
				Indirect Charges debitable to Revenue Account as per Account No. 5	20,007	396	20,403
Rs.							
To end of 1918-1919...3,57,314							
Loss for 1919-1920 ... 6,854							
Total... 3,64,168				Total Charges ...	6,14,006	12,154	6,26,160
				Balance Net Revenue ...	6,08,098	20,060	6,28,158
Grand Total ...	12,22,104	32,214	12,54,318	Grand Total ...	12,22,104	32,214	12,54,318

N.B.—Last Capital Account detailed in the Administrative Accounts for 1881-82. Construction Estimate closed on 31st March 1876—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1229, dated 1st August 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	1,278	.....	1,278
2. Leave and Pension Allowances	18,729	396	19,125
Total ...	20,007	396	20,403

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	14,23,722	31,513	14,55,235	2. Main Canals and Branches. ...	3,40,005	18,338	3,58,343
3. Sales of water ...	3,196	208	3,404	3. Distributaries ...	28,517	...	28,517
5. Plantations ...	1,53,724	227	1,62,484	Total ...	3,68,522	18,338	3,86,860
6. Other canal produce		8,533					
8. Navigation ...	64,833	2,133	66,966				
9. Rents of buildings .	7,705	2	7,707				
10. Fines	15,603	330	15,933				
11. Miscellaneous Receipts	1,75,210	4,481	1,79,691				
Total ..	18,43,993	47,427	18,91,420	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	169	...	169
				2. Main Canals and Branches ...	53,09,927	1,02,919	54,12,846
II.—INDIRECT RECEIPTS.				3. Distributaries ...	1,155	...	1,155
Irrigation share of Land Revenue collected in the Civil Department	1,90,82,319	6,22,705	1,97,05,024	Total ...	53,11,251	1,02,919	54,14,170
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58 A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	2,44,762	15,936	2,60,698	IV.—ESTABLISHMENT.			
				1. & 2. Direction and Accounts ...	16,16,027	53,631	16,69,658
				3. Executive ...			
Total ...	1,93,27,081	6,38,641	1,99,65,722	Total ...	16,16,027	53,631	16,69,658
				V.—TOOLS AND PLANT ...	40,757	2,473	43,230
Total, Receipts ...	2,11,71,074	6,86,068	2,18,57,142				
Carried over ...	2,11,71,074	6,86,068	2,18,57,142	Carried over ...	73,36,557	1,77,361	75,13,918

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920—continued.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought over ...	2,11,71,074	6,86,068	2,18,57,142	Brought over ...	73,36,557	1,77,361	75,13,918
				VI.—REFUNDS OF REVENUE	3,714	...	3,714
Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Suspense Account ...	479	—731	—252
				Total ...	73,40,750	1,76,630	75,17,380
Rs.							
To end of 1918-1919 58,37,540				Share of Collection Charges in the Civil Department	15,62,708	39,284	16,01,992
Loss for 1919-1920 1,87,117							
Total ...60,24,657				Indirect Charges debitable to Revenue Account as per Account No. 5	2,70,511	7,508	2,78,019
				Total, Charges ...	91,73,969	2,23,422	93,97,391
				Balance Net Revenue ...	1,19,97,105	4,62,646	1,24,59,751
Grand Total ...	2,11,71,074	6,86,068	2,18,57,142	Grand Total ...	2,11,71,074	6,86,068	2,18,57,142

N.B.—Last Capital Account detailed in the Administrative Accounts for 1918-19. Construction Estimate closed on 31st March 1893—*Vide* Government Resolution No. 1035, dated 27th June 1894. Completion Report approved in Government Resolution No. 1035, dated 27th June 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue ...	17,146	.....	17,146
2. Leave and Pension Allowances ...	2,53,365	7,508	2,60,873
Total ...	2,70,511	7,508	2,78,019

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

HASANALIWAH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,881	—103	2,778	2. Main Canals and Branches	21,195	483	21,678
5. Plantation ...	3	...	3				
6. Other canal produce	2,027	384	2,411				
9. Rents of buildings	1	...	1	II.—MAINTENANCE AND REPAIRS.			
10. Fines	339	...	339				
11. Miscellaneous receipts	4,198	192	4,390	2. Main Canals and Branches	1,78,006	13,916	1,91,922
Total ...	9,449	473	9,922				
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	5,72,137	38,620	6,10,757	1. & 2. Direction and Accounts ... 3. Executive	65,853	5,318	71,171
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58 A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	6,114	673	6,787				
				Total ..	65,853	5,318	71,171
Total ...	5,78,251	39,293	6,17,544	V.—TOOLS AND PLANT ...	2,040	209	2,249
Total, Receipts ...	5,87,700	39,766	6,27,466	Total ...	2,67,094	19,926	2,87,020
Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 239-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Share of Collection Charges in the Civil Department	34,518	2,311	36,829
				Indirect Charges debitable to Revenue Account as per Account No. 5	9,219	745	9,964
Rs.							
To end of 1918-1919 . 27,083				Total, Charges ...	3,10,831	22,982	3,33,813
Loss for 1919-1920 ... 2,247				Balance Net Revenue ...	2,76,869	16,784	2,93,653
Total ... 29,335							
Grand Total ...	5,87,700	39,766	6,27,466	Grand Total ...	5,87,700	39,766	6,27,466

N.B.—Last Capital Account detailed in the Administrative Accounts for 1911-12. Construction Estimate closed on 31st March 1907—*Vide* Government Resolution No. 1802, dated 15th July 1907. Completion Report approved in Government Resolution No. 1802, dated 15th July 1907.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized abatment of Land Revenue ...	.....	.....	.....
2. Leave and Pension Allowances	9,219	745	9,964
Total ...	9,219	745	9,964

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

WANGROLI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	33,181	2,925	36,106	1. Head Works ...	1,809	...	1,809
3. Sales of water ...	1,848	...	1,848	2. Main Canals and Branches... ...	9,110	1,465	10,575
5. Plantations ...	21	...	21	Total ...	10,919	1,465	12,384
6. Other Canal produce ...	532	11	543	II.—MAINTENANCE AND REPAIRS.			
9. Rents of buildings.	2	...	2	1. Head Works ...	32,167	739	32,906
11. Miscellaneous receipts	4,143	432	4,575	2. Main Canals and Branches... ...	28,523	3,483	32,006
Total ...	39,727	3,368	43,095	Total ...	60,690	4,222	64,912
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	16,918	3,979	20,897	1. & 2. Direction and Accounts... ... 3. Executive	26,094	702	26,796
				Total ..	26,094	702	26,796
				V.—TOOLS AND PLANT ...	1,331	120	1,451
				VI.—REFUNDS OF REVENUE	103	...	103
				Total ...	99,137	6,509	1,05,646
				Share of Collection Charges in the Civil Department	3,494	544	4,038
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,671	98	3,769
Total ...	16,918	3,979	20,897	Total, Charges ...	1,06,302	7,151	1,13,453
				Balance Net Revenue...	—49,657	196	—49,461
Total, Receipts ...	56,645	7,347	63,992	Grand Total ...	56,645	7,347	63,992

N.B.—Last Capital Account detailed in the Administrative Account for 1917-18.

N.P.—Construction Estimate closed on 31st March 1909—*Vide* Government Resolution No. 902, dated 31st March 1909. Completion Report approved in Government Resolution No. 729, dated 19th March 1910.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue	19	.....	19
2. Leave and Pension Allowances	3,652	98	3,750
Total ...	3,671	98	3,769

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

TRANZA-NAGRAMA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	5,089	34	5,123	1. Head Works ...	4,874	1,181	6,055
5. Plantations ...	1	...	1	2. Main Canals and Branches ...	399	...	399
6. Other Canal produce ...	631	101	732	Total ...	5,273	1,181	6,454
10. Fines ...	16	...	16	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts ...	3,105	783	3,888	1. Head Works ...	14,505	740	15,245
Total ...	8,842	918	9,760	2. Main Canals and Branches ...	7,773	640	8,413
				Total ...	22,278	1,380	23,658
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department	627	11	638	1 & 2. Direction and Accounts ... / 3. Executive ...	11,268	316	11,584
Total ...	627	11	638	Total ...	11,268	316	11,584
				V.—TOOLS AND PLANT ...	546	54	600
Total, Receipts ...	9,469	929	10,398	VI.—REFUNDS OF REVENUE ...	199	...	199
				Total ...	39,564	2,931	42,495
				Share of Collection Charges in the Civil Department	368	3	371
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,615	44	1,659
				Total, Charges ...	41,547	2,978	44,525
				Balance Net Revenue ...	—32,078	—2,049	—34,127
Grand Total ...	9,469	929	10,398	Grand Total ...	9,469	929	10,398

N.B.—Last Capital Account detailed in the Administrative Accounts for 1913-1914. Construction Estimate closed on 30th June 1909 —*Vide* Government Resolution No. 2496, dated 12th October 1909. Completion Report approved in Government Resolution No. 1730, dated 6th August 1910.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	38	.....	38
2. Leave and Pension Allowances	1,577	44	1,621
Total ...	1,615	44	1,659

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

SAVALI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	31,874	999	32,873	1. Head Works ...	2,211	94	2,305
3. Sales of water ...	20	...	20	2. Main Canals and Branches ...	2,356	...	2,356
5. Plantations ...	65	...	65				
6. Other Canal produce...	214	102	316	Total ...	4,567	94	4,661
10. Fines ...	14	...	14	II.—MAINTENANCE AND REPAIRS.			
11 Miscellaneous receipts	3,126	349	3,475	1. Head Works ...	43,833	1,578	45,411
Total ...	35,313	1,450	36,763	2. Main Canals and Branches ...	12,905	1,692	14,597
II.—INDIRECT RECEIPTS.				Total ...	56,738	3,270	60,008
Irrigation share of Land Revenue collected in the Civil Department ...	...	2	2	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	20,614	415	21,029
				3. Executive ...			
				Total ...	20,614	415	21,029
Total, Receipts ...	35,313	1,452	36,765	V.—TOOLS AND PLANT...	1,134	71	1,205
				VI.—REFUNDS OF REVENUE ...	48	...	48
				Total ...	83,101	3,850	86,951
				Share of collection Charges in the Civil Department ...	1,608	49	1,657
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,335	58	3,393
				Total, Charges ...	88,044	3,957	92,001
				Balance Net Revenue ...	—52,731	—2,505	—55,236
Grand Total ...	35,313	1,452	36,765	Grand Total ..	35,313	1,452	36,765

N.B.—Last Capital Account detailed in the Administrative Accounts for 1912-13. Construction Estimate closed on 31st March 1910 *Vide* Government Resolution No. 66, dated 12th January 1910. Completion Report approved in Government Resolution No. 2577, dated 15th March 1912.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue ...	449	.....	449
2. Leave and Pension Allowances ...	2,886	58	2,944
Total ...	3,335	58	3,393

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

SAHIAT TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	19,201	1,051	11,252	1. Head Works ...	2,460	...	2,460
5. Plantations ...	15	...	15	2. Main Canals and Branches ...	4,430	13	4,443
6. Other canal produce	807	200	1,007	3. Distributaries ...	612	...	612
11. Miscellaneous receipts	1,526	742	2,268	Total ...	7,502	13	7,515
Total ...	12,549	1,993	14,542	II.—MAINTENANCE AND REPAIRS.			
II.—INDIRECT RECEIPTS.				1. Head Works ...	39,652	1,238	40,890
				2. Main Canals and Branches... ...	19,788	2,046	21,834
Irrigation share of Land Revenue collected in the Civil Department	680	1,926	2,606	Total ...	59,440	3,284	62,724
				IV.—ESTABLISHMENT.			
				1. & 2. Direction and Accounts	21,787	407	22,194
Total ...	680	1,926	2,606	3. Executive			
Total, Receipts ...	13,229	3,919	17,148	Total ...	21,787	407	22,194
				V.—TOOLS AND PLANT ...	1,285	70	1,355
				VI.—REFUNDS OF REVENUE ..	1	...	1
				Total ...	90,015	3,774	93,789
				Share of Collection Charges in the Civil Department	577	245	822
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,051	57	3,108
				Total, Charges ...	93,643	4,076	97,719
				Balance Net Revenue ...	—80,414	—157	—80,571
Grand Total ...	13,229	3,919	17,148	Grand Total ...	13,229	3,919	17,148

N.B.—Last Capital Account detailed in the Administrative Accounts for 1911-12. Construction Estimate closed on 31st March 1912—*Vide* Government Resolution No. 2066, dated 18th October 1911. Completion Report approved in Government Resolution No. 10160, dated 7th October 1913.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	.....	.....	.....
2. Leave and Pension Allowances	3,051	57	3,108
Total ...	3,051	57	3,108

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

SUKI RIVER.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Paticulars.	Previous.	1919-1920.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	.....	.....	.....
2. Leave and Pension Allowances	385	.....	385
Total ...	385	.....	385

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Work	...	...	...	12,212	...	—12,212	12,212	
Establishment ...	...	...	...	2,749	...	—2,749	2,749	
Tools and Plant ...	...	...	...	178	...	—178	178	
Total ...	...	...	...	15,139	...	—15,139	15,139	
Less—Receipts on Capital Account...	...	...	...	...	...	....	...	
Net Total ...	...	...	...	15,139	...	—15,139	15,139	Undertaken as a Famine Relief Work and the famine outlay at normal rates has been adjusted during the year 1911-12. Outlay without estimate approved in Government Resolution No. A.I.—6022, dated 7th June 1913.
INDIRECT CHARGES.								
Capitalized Abatement of Land Revenue	...	...	...	...	...	...	...	
Leave and Pension Allowances ...	...	...	...	385	...	—385	385	
Total ...	...	...	...	385	...	—385	385	
Grand Total ...	...	...	...	15,524	...	—15,524	15,524	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

FUTELAO TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	347	45	392	1. Head Works ...	495	5	500
5. Plantations ...	26	...	26	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce.	91	17	108				
11. Miscellaneous receipts	390	123	513	1. Head Works ...	4,580	231	4,811
				2. Main Canals and Branches ...	1,367	457	1,824
Total ...	854	185	1,039	Total ...	5,947	688	6,635
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	1 & 2. Direction and Accounts ... 3. Executive ...	1,745	85	1,830
				Total ...	1,745	85	1,830
Total, Receipts ...	854	185	1,039	V.—TOOLS AND PLANT...	72	15	87
				Total ...	8,259	793	9,052
				Share of Collection Charges in the Civil Department ...	18	2	20
				Indirect Charges debitable to Revenue Account as per Account No. 5	244	12	256
				Total, Charges ...	8,521	807	9,328
				Balance Net Revenue ...	—7,667	—622	—8,289
Grand Total ...	854	185	1,039	Grand Total ...	854	185	1,039

N.B.—Last Capital Account detailed in the Administrative Accounts for 1916-17. Construction Estimate closed on 30th November 1916.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Leave and Pension Allowances	244	12	256
Total ...	244	12	256

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

HARTA'LA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation	17,492	693	18,185	1. Head Works ...	3,732	991	4,723
5. Plantations	8,288	16	16	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce.		4,625	12,913				
10. Fines	260	...	260	1. Head Works ...	6,291	264	6,555
11. Miscellaneous Receipts.	17,834	266	18,100	3. Distributaries ...	1,342	...	1,342
Total ...	43,874	5,600	49,474	Total ...	7,633	264	7,897
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department...	...	...	...	1 & 2. Direction and Accounts ... 3. Executive	8,138	519	8,657
Total, Receipts ...	43,874	5,600	49,474	Total ...	8,138	519	8,657
				V.—TOOLS AND PLANT...	131	47	178
				VI—REFUNDS OF REVENUE ...	2,957	...	2,957
				Total ...	22,591	1,821	24,412
				Share of Collection Charges in the Civil Department ...	1,650	48	1,698
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	1,154	73	1,227
				Total, Charges ...	25,395	1,942	27,337
				Balance Net Revenue ...	18,479	3,658	22,137
Grand Total ..	43,874	5,600	49,474	Grand Total ...	43,874	5,600	49,474

N. B.—Last Capital Account detailed in the Administrative Accounts for 1886-1887. Construction Estimate closed on 31st March 1887 —*Vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1224, dated 31st July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Leave and Pension Allowances	1,154	73	1,227
Total ...	1,154	73	1,227

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

MHASWA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	30,825	1,335	32,160	1. Head Works ...	6,774	...	6,774
3. Sales of water ...	14	...	14	2. Main Canals and Branches ...	2,582	27	2,609
5. Plantations ...	10,233	19	10,637	3. Distributaries ...	586	...	586
6. Other canal produce.		385		Total ...	9,942	27	9,969
9. Rents of buildings.	154	...	154				
10. Fines... ...	5	...	5	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts ...	13,784	443	14,227	1. Head Works ...	4, 68	56	4,324
Total ...	55,015	2,182	57,197	2. Main Canals and Branches ...	3,795	2,043	5,838
				3. Distributaries ...	16,408	...	16,408
II.—INDIRECT RECEIPTS.				Total ...	24,471	2,099	26,570
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	26,086	880	26,966
				3. Executive			
Total Receipts ...	55,015	2,182	57,197	Total ...	26,086	880	26,966
				V.—TOOLS AND PLANT...	1,144	79	1,223
				Profit and Loss ...	149	...	149
				VI.—REFUNDS OF REVENUE	212	...	212
				Total ...	62,004	3,085	65,089
				Share of Collection Charges in the Civil Department	1,569	67	1,636
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,932	123	4,055
				Total Charges ...	67,505	3,275	70,780
				Balance Net Revenue ...	—12,490	—1,093	—13,583
Grand Total ...	55,015	2,182	57,197	Grand Total ...	55,015	2,182	57,197

N.B.—Last Capital Account detailed in the Administrative Accounts for 1893-94. Construction Estimate closed on 31st March 1887—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1224, dated 31st July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue	120	...	120
2. Leave and Pension Allowances	3,812	123	3,935
Total ...	3,932	123	4,055

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

JAMADA CANALS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation	2,82,458	18,595	3,01,053	1. Head Works ...	8,529	76	8,605
3. Sales of water ...	212	...	212	2. Main Canals and Branches ...	22,282	1,993	24,275
5. Plantations	56,634	833	58,566	3. Distributaries ...	1,464	...	1,464
6. Other canal produce.		1,099		Total ...	32,275	2,069	34,344
9. Rents of buildings ...	2,106	...	2,106	II.—MAINTENANCE AND REPAIRS.			
10. Fines	153	...	153	1. Head Works ...	18,830	473	19,303
11. Miscellaneous receipts	2,704	10	2,714	2. Main Canals and Branches ...	2,34,179	60,04	2,40,183
Total ...	3,44,267	20,537	3,64,804	3. Distributaries ...	15,810	69	15,879
II.—INDIRECT RECEIPTS.				Total ...	2,68,819	6,546	2,75,365
Irrigation share of Land Revenue collected in the Civil Department...	...	...	...	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,26,181	3,562	2,29,743
				3. Executive			
Total Receipts. ...	3,44,267	20,537	3,64,804	Total ...	2,26,181	3,562	2,29,743
				V.—TOOLS AND PLANT ...	5,755	322	6,077
				Profit and Loss ...	84	...	84
				VI.—REFUNDS OF REVENUE	1,085	...	1,085
				Total ...	5,34,199	12,499	5,46,698
				Share of Collection Charges in the Civil Department	14,058	930	14,988
				Indirect Charges debitable to Revenue Account as per Account No. 5	35,117	499	35,616
				Total Charges ...	5,83,374	13,928	5,97,302
				Balance Net Revenue ...	-2,39,107	6,609	-2,32,498
Grand Total ...	3,44,267	20,537	3,64,804	Grand Total ...	3,44,267	20,537	3,64,804

N.B.—Last Capital Account detailed in the Administrative Accounts for 1914-15. Construction Estimate closed on 31st March 1902—*vide* Government Resolution No. 5163, dated 1st May 1915. Completion Report approved in Government Resolution No. 5163, dated 1st May 1915.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-20.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	446	...	446
2. Leave and Pension Allowances	34,671	499	35,170
Total ...	35,117	499	35,616

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

PARSUL TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	3,707	...	3,707
1. Water-rates from Irrigation ...	77,719	2,225	79,944	II.—MAINTENANCE AND REPAIRS.			
5. Plantations... ...	689	...	689	1. Head Works ...	7,051	774	7,825
6. Other canal produce.	906	114	1,020	2. Main Canals and Branches ...	16	...	16
9. Rents of buildings ...	1	...	1	3. Distributaries ...	4,152	...	4,152
10. Fines	22	...	22				
11. Miscellaneous Receipts	408	...	408				
Total ...	79,745	2,339	82,084	Total ...	11,219	774	11,993
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	22,162	485	22,647
				3. Executive			
II.—INDIRECT RECEIPTS.				Total ...	22,162	485	22,647
Irrigation share of Land Revenue collected in the Civil Department...	...	...	...	V.—TOOLS AND PLANT ...	926	23	949
				VI.—REFUNDS OF REVENUE ...	177	...	177
Total, Receipts ...	79,745	2,339	82,084	Total ...	38,191	1,282	39,473
				Share of Collection Charges in the Civil Department	3,887	111	3,998
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,101	68	3,169
				Total, Charges ...	45,179	1,461	46,640
				Balance Net Revenue ...	34,566	878	35,444
Grand Total ...	79,745	2,339	82,084	Grand Total ...	79,745	2,339	82,084

N.B.—Last Capital Account detailed in the Administrative Accounts for 1897-98. Construction Estimate closed on 31st March 1896—*vide* Government Resolution No. 396, dated 14th March 1896. Completion Report approved in Government Resolution No. 241, dated 17th February 1896.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17—*vide* Government Resolution No. A.I.—12327, dated 18th December 1917, Rs. 637.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Leave and Pension Allowances	3,101	68	3,169
Total ...	3,101	68	3,169

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

PRAVARA LEFT BANK CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	2,78,741	17,157	2,95,898	1. Head Works ...	172	...	172
2. Sales of water...	29	...	29	2. Main Canals and Branches ...	5,750	—13	5,737
5. Plantations ...	22,148	58	22,309	Total ...	5,922	—13	5,909
6. Other canal produce ...		103		II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings ...	942	2	944	1. Head Works ...	3,374	...	3,374
10. Fines ...	1,239	9	1,248	2. Main Canals and Branches ...	1,50,575	7,213	1,57,788
11. Miscellaneous Receipts ...	7,981	158	8,139	3. Distributaries ...	11,548	...	11,548
Total ...	3,11,080	17,487	3,28,567	Total ...	1,65,497	7,213	1,72,710
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ... ... 3. Executive	1,69,664	4,951	1,74,615
Enhanced Land Revenue as per Government Resolution No. 275, dated 7th July 1880 ...	3,040	76	3,116	Total ...	1,69,664	4,951	1,74,615
Total ...	3,040	76	3,116	V.—TOOLS AND PLANT ...	3,107	214	3,321
Total, Receipts ...	3,14,120	17,563	3,31,683	VI.—REFUNDS OF REVENUE	1,042	...	1,042
				Total ...	3,45,232	12,365	3,57,597
				Share of Collection Charges in the Civil Department.	14,275	862	15,137
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	24,395	693	25,088
				Total, Charges ...	3,83,902	13,920	3,97,822
				Balance Net Revenue ...	—69,782	3,643	—66,139
Grand Total ...	3,14,120	17,563	3,31,683	Grand Total ...	3,14,120	17,563	3,31,683

N.B.—Last Capital Account detailed in the Administrative Accounts for 1906-07. Construction Estimate closed on 31st March 1893—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1856 dated 9th December 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	6	...	6
2. Leave and Pension Allowances	24,389	693	25,082
Total ...	24,395	693	25,088

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

BHA'TODI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				1. Head Works ...	1,320	...	1,320
				2. Main Canals and Branches ...	3,515	4,579	8,094
1. Water-rates from Irrigation ...	1,46,458	6,513	1,52,971	Total ...	4,835	4,579	9,414
3. Sales of water ...	4	...	4	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	10,303	...	10,493	1. Head Works ...	20,374	...	20,374
6. Other canal produce ...		190		2. Main Canals and Branches ...	74,276	1,802	76,078
9. Rents of Buildings ...	181	15	196	3. Distributaries ...	5,456	...	5,456
10. Fines ...	315	...	315	Total ...	1,00,106	1,802	1,01,908
11. Miscellaneous Receipts ...	25,173	710	25,883	III.—COMPENSATION ...	9	...	9
Total ...	1,82,434	7,428	1,89,862	IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts ...	80,340	1,771	82,111
				3. Executive ...			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	80,340	1,771	82,111
Revenue on lands irrigated by percolation as per Government Resolution No. 1757, dated 16th October 1891.	43,682	3,256	46,938	V.—TOOLS AND PLANT ...	1,616	238	1,854
Increased Land Revenue as per Government Resolution No. 203, dated 30th March 1878...	6,280	146	6,426	VI.—REFUNDS OF REVENUE.	1,265	...	1,265
				Total ...	1,88,171	8,390	1,96,561
				Share of Collection Charges in the Civil Department...	12,176	651	12,827
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	11,672	248	11,920
Total ...	49,962	3,402	53,364	Total, Charges ...	2,12,019	9,289	2,21,308
Total, Receipts ...	2,32,396	10,830	2,43,226	Balance Net Revenue ...	20,377	1,541	21,918
Grand Total ...	2,32,396	10,830	2,43,226	Grand Total ...	2,32,396	10,830	2,43,226

N.B.—Last Capital Account detailed in the Administrative Accounts for 1891-92. Construction Estimate closed on 31st March 1892—*Vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1797, dated 19th November 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	102	.....	102
2. Leave and Pension Allowances	11,570	248	11,818
Total ...	11,672	248	11,920

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

KA'SURDI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	9,590	1	9,591	2. Main Canals and Branches ...	31	...	31
3. Sales of water ...	20	...	20	3. Distributaries ...	80	...	80
				Total ...	111	...	111
5. Plantations ...	2,593	15	2,659	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce ...		51		1. Head Works ...	16,696	1,863	18,559
11. Miscellaneous Receipts ...	6,893	150	7,043	3. Distributaries ...	3,154	509	3,663
				Total ...	19,850	2,372	22,222
Total ...	19,096	217	19,313	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	11,460	2,125	13,585
II.—INDIRECT RECEIPTS.				3. Executive ...			
				Total ...	11,460	2,125	13,585
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	V.—TOOLS AND PLANT ...	1,703	70	1,773
				Total ...	33,124	4,567	37,691
				Share of Collection Charges in the Civil Department.	478	...	478
Total, Receipts ...	19,096	217	19,313	Indirect Charges debitable to Revenue Account as per Account No. 5 ...	1,731	298	2,029
				Total, Charges ...	35,333	4,865	40,198
				Balance Net Revenue ...	—16,237	—4,648	—20,885
Grand Total ...	19,096	217	19,313	Grand Total ...	19,096	217	19,313

N.B.—Last Capital Account detailed in the Administrative Accounts for 1877-78. Construction Estimate closed on 31st March 1878—*Vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 997, dated 21st June 1894.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17—*Vide* Government Resolution No. A.I.—12327, dated 18th December 1917—Rs. 100.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	1,731	298	2,029
Total ...	1,731	298	2,029

IRRIGATION BRANCH. BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

SHIRSUPHAL TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	91,964	5,735	97,699	1. Head Works ...	606	...	606
3. Sales of water ...	3	...	3	3. Distributaries ...	144	...	144
				Total ...	750	...	750
5. Plantations ...	4,758	...	10,505	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce		5,747		1. Head Works ...	12,020	849	12,869
10. Fines	109	...	109	2. Main Canals and Branches ...	31,378	116	31,494
11. Miscellaneous Receipts	11,372	...	11,372	3. Distributaries ...	3,624	517	4,141
Total ...	1,08,206	11,482	1,19,688	Total ...	47,022	1,482	48,504
				IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts ...	38,808	1,327	40,135
				3. Executive ...			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	38,808	1,327	40,135
				V.—TOOLS AND PLANT ...	2,081	44	2,125
Total, Receipts ...	1,08,206	11,482	1,19,688	VI.—REFUNDS OF REVENUE	16	...	16
				Total ...	88,677	2,853	91,530
				Share of Collection Charges in the Civil Department	4,604	287	4,891
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	5,475	186	5,661
				Total Charges ...	98,756	3,326	1,02,082
				Balance Net Revenue ...	9,450	8,156	17,606
Grand Total ...	1,08,206	11,482	1,19,688	Grand Total ...	1,08,206	11,482	1,19,688

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-96. Construction Estimate closed on 31st October 1893. Completion Report approved in Government Resolution No. 328, dated 23rd February 1894.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17—*Vide* Government Resolution No. A.I.—12327, dated 18th December 1917—Rs. 334.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	5,475	186	5,661
Total ...	5,475	186	5,661

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

BHÁDALVÁDI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				1. Head Works ...	643	...	643
1. Water-rates from Irrigation ...	1,13,005	7,339	1,20,344	3. Distributaries ...	158	...	158
3. Sales of water ...	18	....	18	Total ...	801	...	801
5. Plantations ...	4,786	...	4,911	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce		125		1. Head Works ...	8,173	759	8,932
11. Miscellaneous Receipts	2,100	45	2,145	2. Main Canals and Branches ...	336	24	360
Total ...	1,19,909	7,509	1,27,418	3. Distributaries ...	33,382	852	34,234
				Total ..	41,891	1,635	43,526
				IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts... ...	34,278	1,464	35,742
				3. Executive			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	34,278	1,464	35,742
				V.—TOOLS AND PLANT ...	1,892	49	1,941
Total, Receipts ...	1,19,909	7,509	1,27,418	VI.—REFUNDS OF REVENUE	46	...	46
				Total ...	78,908	3,148	82,056
				Share of Collection Charges in the Civil Department	5,648	367	6,015
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	4,803	205	5,008
				Total, Charges ...	89,359	3,720	93,079
				Balance Net Revenue ...	30,550	3,789	34,339
Grand Total ...	1,19,909	7,509	1,27,418	Grand Total ...	1,19,909	7,509	1,27,418

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-96. Construction Estimate closed on 31st March 1891—*Vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 827, dated 17th May 1894.

Note—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17—*Vide* Government Resolution No. A.I.—12327, dated 18th December 1917—Rs. 224.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	4,803	205	5,008
Total ...	4,803	205	5,008

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

VICTORIA TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated.	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—*Head Works.*					
A. Preliminary Expenses	...	...	...	600	..
B. Land	4,052	...	4,052	13,200	...
C. Masonry Works	...	2,352	2,352	60,033	...
K. Buildings	...	...	...	1,000	...
L. Earth-work	45,690	52	45,742	2,72,099	...
P. Maintenance	696	14	710	712	...
Total, Head Works ...	50,438	2,418	52,856	3,47,644	...
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	...	...	...	200	...
B. Land	...	...	...	80	...
C. Masonry Works	...	...	...	4,500	...
K. Buildings	...	...	...	200	...
L. Earth-work	...	...	...	1,420	...
Total, Main Canals and Branches ...	...	...	...	6,400	...
Total, I.—Works ...	50,438	2,418	52,856	3,54,044	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	10,642	509	11,151	17,038	...
3. Executive				61,337	...
Total, II.—Establishment ...	10,642	509	11,151	78,375	...
III.—Tools and Plant	651	72	723	5,111	...
Grand Total ...	61,731	2,999	64,730	4,37,530	...
V.—*Less*—Receipts on Capital Account ...	1,360	164	1,524	...	...
Net Outlay ...	60,371	2,835	63,206	4,37,530	...
APPORTIONMENT.					
Chargeable to 43.—Minor Works and Navigation ...	15,667	2,835	18,502	4,37,530	...
Do. 33.—Famine Relief ...	44,704	...	44,704		
Total ...	60,371	2,835	63,206	4,37,530	...

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR:1919-1920.

43.—MINOR WORKS AND NAVIGATION.

VICTORIA TANK.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	2,463	...	2,463
2. Leave and Pension Allowances	1,491	71	1,562
Total ...	3,954	71	4,025

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	52,856	3,54,044	3,01,188	52,856	Government of India's No. 449-I. of 22nd March 1905—*Vide* Government Resolution No. 1218 of 6th May 1905.
Establishment ...	...	...	...	11,151	78,375	67,224	11,151	
Tools and Plant ...	...	...	...	723	5,111	4,388	723	
Total ...	...	...	...	64,730	4,37,530	3,72,800	64,730	
Less—Receipts on Capital Account ...	...	...	...	1,524	...	--1,524	1,524	
Net Total ...	...	...	...	63,206	4,37,530	3,74,324	63,206	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	...	...	...	2,463	12,500	10,037	2,463	
Leave and Pension Allowances	...	...	...	1,562	10,973	9,411	1,562	
Total ...	...	...	...	4,025	23,473	19,448	4,025	
Grand Total ...	...	...	...	67,231	4,61,003	3,93,772	67,231	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

KOREGAON TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				1. Head Works ...	9,094	2,384	11,478
1. Water-rates from Irrigation ...	38,349	768	39,117	2. Main Canals and Branches	345	...	345
				3. Distributaries ...	7	...	7
5. Plantations ...	2,547	...	2,599	Total ...	9,446	2,384	11,830
6. Other canal produce		52		II.—MAINTENANCE AND REPAIRS.			
9. Rents of buildings.	1	...	1	1. Head Works ...	8,676	237	8,913
11. Miscellaneous Receipts	366	44	410	2. Main Canals and Branches ...	923	...	923
				3. Distributaries ...	8,403	162	8,565
Total ...	41,263	864	42,127	Total ...	18,002	399	18,401
				IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts	17,602	1,218	18,820
				3. Executive			
Irrigation share of Land Revenue collected in the Civil Department.	*3,089	...	3,089	Total ...	17,602	1,218	18,820
				V.—TOOLS AND PLANT ...	651	104	755
				Profit and Loss—			
				VI.—REFUNDS OF REVENUE ...	18	...	18
				Total ...	45,719	4,105	49,824
Total ...	3,089	...	3,089				
				Share of Collection Charges in the Civil Department	2,268	38	2,306
Total Receipts ...	44,352	864	45,216				
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	2,466	171	2,637
				Total Charges ...	50,453	4,314	54,767
				Balance Net Revenue ...	—6,101	—3,450	—9,551
Grand Total ...	44,352	864	45,216	Grand Total ...	44,352	864	45,216

* This amount is to end of January 1879, after which the revenue is credited as direct water-rates.

N.B.—Last Capital Account detailed in the Administrative Accounts for 1890-91. Construction Estimate closed on 31st March 1892—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 654, dated 11th April 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	2,466	171	2,637

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

ASHTI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	2,69,106	30,549 (a)463	3,00,118	1. Head Works ...	39,902	132	40,034
3. Sales of water ...	319	...	319	2 Main Canals and Branches ...	5,167	27	5,194
5. Plantations ...	52,241	227	54,945	3. Distributaries ...	2,234	...	2,234
6. Other canal produce		2,477		Total ...	47,303	159	47,462
9. Rents of Buildings.	685	10	695	II.—MAINTENANCE AND REPAIRS.			
10. Fines	25	...	25	1. Head Works ...	39,903	1,718	41,621
11. Miscellaneous Receipts	11,670	-2,387	9,283	2. Main Canals and Branches ...	63,830	1,714	65,544
				3. Distributaries ...	5,079	74	5,153
Total ...	3,34,046	31,339	3,65,385	Total ...	1,08,812	3,506	1,12,318
				III.—COMPENSATION ...	15	...	15
				IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS				1 & 2. Direction and Accounts ... 3. Executive	84,323	1,605	85,928
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	84,323	1,605	85,928
				V.—TOOLS AND PLANT .	3,016	137	3,153
				Profit and Loss—			
				VI.—REFUNDS OF REVENUE	1,029	...	1,029
Total Receipts ...	3,34,046	31,339	3,65,385	Total ...	2,44,498	5,407	2,49,905
				Share of Collection Charges in the Civil Department	13,750	1,400 (a)463	15,613
				Indirect Charges debitable to Revenue Account as per Account No. 5	11,974	225	12,199
				Total Charges ...	2,70,222	7,495	2,77,717
				Balance Net Revenue ...	63,824	23,844	87,668
Grand Total ...	3,34,046	31,339	3,65,385	Grand Total ...	3,34,046	31,339	3,65,385

(a) Amount adjusted by credit to water-rates and debit *per contra* on account of collection charges for the revenue realized by the Miraj State.

N.B.—Last Capital Account detailed in the Administrative Accounts for 1901-02. Construction Estimate closed on 31st March 1893 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 490, dated 15th March 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	107	.....	107
2. Leave and Pension Allowances	11,867	225	12,092
Total ...	11,974	225	12,199

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

PA'THARI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	57,594	6,175	63,769	1. Head Works ...	729	...	729
3. Sales of water ...	920	2,005	2,925	2. Main Canals and Branches ...	463	...	463
				Total ...	1,192		1,192
5. Plantations ...	88	...	88	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	5,851	453	6,304
6. Other canal produce	1,547	134	1,681	2. Main Canals and Branches ...	6,005	560	6,565
				3. Distributaries ...	1,218	93	1,311
9. Rents of Buildings	1	...	1	Total ...	13,074	1,106	14,180
11. Miscellaneous Receipts ...	435	95	530	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	6,815	485	7,300
				3. Executive ...			
Total ...	60,585	8,409	68,994	Total ...	6,815	485	7,300
				V.—TOOLS AND PLANT ...	914	41	955
				VI.—REFUNDS OF REVENUE	4	...	4
II.—INDIRECT RECEIPTS.							
				Suspense Account ..	—46	...	—46
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	21,953	1,632	23,585
				Share of Collection Charges in the Civil Department	2,902	409	3,311
				Indirect Charges debitable to Revenue Account as per Account No. 5	954	68	1,022
Total, Receipts ...	60,585	8,409	68,994	Total, Charges ...	25,809	2,109	27,918
				Balance Net Revenue ...	34,776	6,300	41,076
Grand Total ...	60,585	8,409	68,994	Grand Total ..	60,585	8,409	68,994

N.B.—Last Capital Account detailed in the Administrative Accounts for 1915-16.
Construction Estimate closed on 31st March 1909—*vide* Government Resolution No. 1654, dated 6th July 1909.
Completion Report approved in Government Resolution No. 2452, dated 22nd November 1910.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	954	68	1,022

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

REVA'RI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	510	...	510
1. Water-rates from Irrigation ...	1,94,276	1,226	1,95,502	2. Main Canals and Branches ...	1,117	...	1,117
				Total ...	1,627	...	1,627
3. Sales of water ...	11	...	11				
				II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	6,301	39	6,340	1. Head Works ...	1,568	...	1,568
6. Other canal produce.				2. Main Canals and Branches ...	55,883	1,104	56,987
				3. Distributaries ...	270	...	270
9. Rents of Buildings.	866	30	896				
10. Fines ...	101	...	101	Total ...	57,721	1,104	58,825
11. Miscellaneous Receipts ...	4	...	4	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	39,371	599	39,970
				3. Executive ...			
Total ...	2,01,559	1,295	2,02,854	Total ...	39,371	599	39,970
				V.—TOOLS AND PLANT ...	1,794	38	1,832
II.—INDIRECT RECEIPTS.				Profit and Loss—			
				VI.—REFUNDS OF REVENUE	19	...	19
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	1,00,532	1,741	1,02,273
				Share of Collection Charges in the Civil Department	9,679	61	9,740
Total, Receipts ...	2,01,559	1,295	2,02,854				
				Indirect Charges debitable to Revenue Account as per Account No. 5	6,576	84	6,660
				Total, Charges ...	1,16,787	1,886	1,18,673
				Balance Net Revenue ...	84,772	—591	84,181
Grand Total ...	2,01,559	1,295	2,02,854	Grand Total ...	2,01,559	1,295	2,02,854

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-96. Construction Estimate closed on 31st March 1893 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 489, dated 15th March 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	6,576	84	6,660

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

Upper Man River Works.

Tank Project.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—Direct Receipts.				I.—Extensions and Improvements.			
1. Water-rates from Irrigation ...	1,47,473	6,809	1,54,282	1. Head Works ...	20,355	1,461	21,816
3. Sales of water ...	6	...	6	3. Distributaries ...	170	...	170
5. Plantations ...	8,136	...	8,207	Total ...	20,525	1,461	21,986
6. Other canal produce.		71		II.—Maintenance and Repairs.			
9. Rents of Buildings...	1,002	...	1,002	1. Head Works ...	15,842	1,157	16,999
10. Fines	3	...	3	2 Main Canals and Branches ...	3,339	2,016	5,355
11. Miscellaneous Receipts ...	350	4	354	3. Distributaries ...	71,694	575	72,269
Total ...	1,56,970	6,884	1,63,854	Total ...	90,875	3,748	94,623
				III.—Compensation ...	1	...	1
II.—Indirect Receipts.				Profit and Loss— IV.—Establishment.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	1 & 2. Direction and Accounts... ... 3. Executive	53,301	2,831	56,132
				Total ...	53,301	2,831	56,132
Total, Receipts ...	1,56,970	6,884	1,63,854	V.—Tools and Plant ...	3,147	181	3,328
				VI.—Refunds of Revenue	167	...	167
				Total ...	1,68,016	8,221	1,76,237
				Share of Collection Charges in the Civil Department	7,365	340	7,705
				Indirect Charges debitable to Revenue Account as per Account No. 5...	8,040	356	8,396
				Total, Charges ...	1,83,421	8,917	1,92,338
				Balance Net Revenue ...	—26,451	—2,033	—28,484
Grand Total ...	1,56,970	6,884	1,63,854	Grand Total ...	1,56,970	6,884	1,63,854

N.B.—Last Capital Account detailed in the Administrative Accounts for 1900-01. Construction Estimate closed on 31st March 1892 —*vide* Government Resolution No. 1411, dated 12th September 1898. Completion Report approved in Government Resolution No. 815, dated 22nd May 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue.	24	.....	24
2. Leave and Pension Allowances	8,016	356	8,372
Total ...	8,040	356	8,396

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

YERLA RIVER IRRIGATION WORKS.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,20,763	22,431	4,43,197	1. Head Works ...	47,369	...	47,369
3. Sales of water ...	23	...	23	2. Main Canals and Branches	965	...	965
5. Plantations ...	26,104	...	26,742	Total ...	48,334	...	48,334
6. Other canal produce		638					
9. Rents of Buildings	934	...	934				
10. Fines	120	...	120	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts	1,831	18	1,849				
				1. Head Works ...	39,859	885	40,744
Total ...	4,49,778	23,087	4,72,865	2. Main Canals and Branches	1,18,254	3,693	1,21,947
				3. Distributaries ...	25,155	768	25,923
				Total ...	1,83,268	5,346	1,88,614
II.—INDIRECT RECEIPTS				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	1 & 2. Direction and Accounts ... 3. Executive ...	1,06,648	2,905	1,09,553
				Total ...	1,06,648	2,905	1,09,553
Total, Receipts ...	4,49,778	23,087	4,72,865	V.—TOOLS AND PLANT ...	3,989	186	4,175
				Profit and Looss— VI.—REFUNDS OF REVENUE	71	...	71
				Total ...	3,42,310	8,437	3,50,747
				Share of Collection Charges in the Civil Department	21,033	1,122	22,155
				Indirect Charges debitable to Revenue Account as per Account No. 5	16,135	407	16,542
				Total, Charges ...	3,79,478	9,966	3,89,444
				Balance Net Revenue ...	70,300	13,121	83,421
Grand Total ...	4,49,778	23,087	4,72,865	Grand Total ...	4,49,778	23,087	4,72,865

N.B.—Last Capital Account detailed in the Administrative Accounts for 1907-08. Construction Estimate closed on 31st March 1896 —*vide* Government Resolution No. 666, dated 12th May 1896. Completion Report approved in Government Resolution No. 1419, dated 8th October 1897.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	16,135	407	16,542

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

CHIKHLI CANAL.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	65,065	1,385	66,450	1. Head Works ...	968	...	968
3. Sales of water ...	1	...	1	2. Main Canals and Branches... ...	553	...	553
5. Plantations ..	} 5,651	{ ...	} 5,694				
6. Other canal produce		{ 43		Total ...	1,521	...	1,521
9. Rents of buildings.	50	...	50	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts	80	...	80	1. Head Works ...	1,166	...	1,166
				2. Main Canals and Branches... ...	32,208	234	32,442
Total ...	70,847	1,428	72,275				
				Total ...	33,374	234	33,608
II.—INDIRECT RECEIPTS.							
				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ...	} 21,356	128	21,484
				3. Executive ...			
Total, Receipts ...	70,847	1,428	72,275	Total ...	21,356	128	21,484
				V.—TOOLS AND PLANT ...	482	8	490
				Profit and Loss.—			
				VI.—REFUNDS OF REVENUE	158	...	158
				Total ...	56,891	370	57,261
				Share of Collection Charges in the Civil Department	3,258	69	3,327
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,534	18	3,552
				Total, Charges ...	63,683	457	64,140
				Balance Net Revenue ...	7,164	971	8,135
Grand Total ...	70,847	1,428	72,275	Grand Total ...	70,847	1,428	72,275

N. B.—Last Capital Account detailed in the Administrative Accounts for 1882-83. Construction Estimate closed on 31st March 1883—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 489, dated 15th March 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	3,534	18	3,552

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

MAINI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,31,346	6,994	2,38,340	1. Head Works ...	16,811	...	16,811
5. Plantations ...	8,394	...	8,668	2. Main Canal and Branches ...	...	467	467
6. Other canal produce		274		3. Distributaries ...	123	...	123
9. Rents of Buildings	319	...	319	Total ...	16,934	467	17,401
10. Fines	54	...	54	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts	258	...	258	1. Head Works ...	13,392	1,122	14,514
				2. Main Canals and Branches ...	954	1,197	2,151
				3. Distributaries ...	66,694	1,064	67,758
Total ...	2,40,371	7,268	2,47,639	Total ...	81,040	3,383	84,423
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	49,133	2,093	51,226
				3. Executive ...			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	49,133	2,093	51,226
				V.—TOOLS AND PLANT...	2,357	134	2,491
				Profit and Loss—			
Total, Receipts ...	2,40,371	7,268	2,47,639	VI.—REFUNDS OF REVENUE	104	...	104
				Total ...	1,49,568	6,077	1,55,645
				Share of Collection Charges in the Civil Department	11,572	350	11,922
				Indirect Charges debitable to Revenue Account as per Account No. 5	7,540	293	7,833
				Total, Charges ...	1,68,680	6,720	1,75,400
				Balance Net Revenue ...	71,691	548	72,239
Grand Total ...	2,40,371	7,268	2,47,639	Grand Total ...	2,40,371	7,268	2,47,639

N.B.—Last Capital Account detailed in the Administrative Accounts for 1906-07. Construction Estimate closed on 31st March 1892 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 815, dated 22nd May 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue ...	288	.....	288
2. Leave and Pension Allowances ...	7,252	293	7,545
Total ...	7,540	293	7,833

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

MUCHKUNDI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920.	Total.	Charges.	Total. Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	1,855	...	1,855	1. Head Works ...	410	...	410
3. Sales of Water ...	330	...	330	2. Main Canals and Branches ...	511	...	511
5. Plantations ...	16,181	...	16,199	Total ...	921	...	921
6. Other canal produce ...		18		II.—MAINTENANCE AND REPAIRS.			
10. Fines ...	1	...	1	1. Head Works ...	5,084	...	5,084
11. Miscellaneous Receipts ...	1,771	...	1,771	2. Main Canals and Branches ...	4,677	454	5,131
Total ...	20,138	18	20,156	Total ...	9,761	454	10,215
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ... 3. Executive ...	4,003	201	4,204
				Total ...	4,003	201	4,204
Total, Receipts ...	20,138	18	20,156	V.—TOOLS AND PLANT...	136	16	152
				Total ...	14,821	671	15,492
				Share of Collection Charges in the Civil Department ...	114	...	114
				Indirect Charges debitable to Revenue Account as per Account No. 5	558	28	586
				Total, Charges ...	15,493	699	16,192
				Balance Net Revenue ...	4,645	-681	3,964
Grand Total ...	20,138	18	20,156	Grand Total ...	20,138	18	20,156

N.B.—Last Capital Account detailed in the Administrative Accounts for 1890-1891. Construction Estimate closed on 31st March 1891—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 662, dated 12th April 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	558	28	586

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

GADIKERI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.							
				I.—EXTENSIONS AND IMPROVEMENTS ...	...	...	...
1. Water-rates from Irrigation ...	8,959	...	8,959				
5. Plantation ...	84	...	84	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce							
				1. Head Works	8,228	110	8,338
Total ...	9,043	...	9,043				
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	74,128	2,061	76,189	1 & 2. Direction and Accounts ...	1,904	49	1,953
				3. Executive			
Total, Receipts ...	83,171	2,061	85,232	Total ...	1,904	49	1,953
				V.—TOOLS AND PLANT ...	35	4	39
				VI.—REFUNDS OF REVENUE.	2,021	...	2,021
				Total ...	12,188	163	12,351
Carried over ...	83,171	2,061	85,232	Carried over ...	12,188	163	12,351

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

GADIKERI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920—contd.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	83,171	2,061	85,232	Brought forward ...	12,188	163	12,351
				Share of Collection Charges in the Civil Department .	8,312	206	8,518
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	266	7	273
				Total, Charges ...	20,766	376	21,142
				Balance Net Revenue ...	62,405	1,685	64,090
Grand Total ...	83,171	2,061	85,232	Grand Total ...	83,171	2,061	85,232

N.B.—Last Capital Account detailed in the Administrative Accounts for 1905-1906. Construction Estimate closed on 31st March 1892 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 101, dated 18th January 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	266	7	273

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

GOKA'K CANAL—FIRST SECTION AND STORAGE WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	7,91,916	43,970 (a)	8,35,886	1. Head Works ...	6,552	861	7,413
3. Sales of water ...	6,894	429	7,323	2. Main Canals and Branches ...	1,134	...	1,134
5. Plantations ...	28,296	...	29,729	Total ...	7,686	861	8,547
6. Other canal produce.		1,433					
7. Water-power ...	3,80,594	14,313	3,94,907	II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings.	875	27	902	1. Head Works ...	67,363	2,952	70,315
10. Fines	44	...	44	2. Main Canals and Branches ...	37,411	799	38,210
11. Miscellaneous Receipts	23,465	2,093	25,558	3. Distributaries ...	24,880	1,186	26,066
				4. Drainage and Protective Works ...	...	30	30
Total ...	12,32,084	62,265	12,94,349	Total ...	1,29,654	4,967	1,34,621
II.—INDIRECT RECEIPTS				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	1 & 2. Direction and Accounts ...	1,08,483	4,606	1,13,089
				3. Executive			
Total, Receipts ...	12,32,084	62,265	12,94,349	Total ...	1,08,483	4,606	1,13,089
				V.—TOOLS AND PLANT...	9,734	203	9,937
				VI.—REFUNDS OF REVENUE... ...	3,362	59	3,421
				Total ...	2,58,919	10,696	2,69,615
				Share of Collection Charges in the Civil Department	44,438	2,251	46,689
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	15,187	645	15,832
				Total, Charges ...	3,18,544	13,592	3,32,136
				Balance Net Revenue ..	9,13,540	48,673	9,62,213
Grand Total ...	12,32,084	62,265	12,94,349	Grand Total ...	12,32,084	62,265	12,94,349

N. B.—Last Capital Account detailed in the Administrative Accounts for 1906-07 and No. 6 in 1909-1910. Construction Estimate closed on 31st March 1897—*vide* Government Resolution No. 1393, dated 2nd October 1897. Completion Report approved in Government Resolution No. 327, dated 10th February 1900.

(*a*) Includes Rs. 24,862, adjusted by journal entry pertaining to the third batch.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

49.—IRRIGATION WORKS.

43.—MINOR WORKS AND NAVIGATION.

GOKÁK CANAL—FIRST SECTION AND STORAGE WORKS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1919-1920.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1918-1919.	5,63,773	Net Revenue realized to end of 1918-1919.	3,743
Interest charges for the year 1919-1920 ...	13,662	Do during 1919-1920 ...	...
			3,743
		Balance net interest charges ...	5,73,692
Total ...	5,77,435	Total ...	5,77,435

Note—Interest on outlay charged to 35—Protective Irrigation Works as per Government of India No. 4-A.I., dated 19th January 1891.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	15,187	645	15,832

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

DAMBAL TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				1. Head Works ...	634	...	634
1. Water-rates from Irrigation ...	18,714	1,230	19,944	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	13,474	...	13,946	1. Head Works ...	14,898	...	14,898
6. Other canal produce		472		2. Main Canals and Branches ...	...	1,325	1,325
11. Miscellaneous receipts	384	...	384	3. Distributaries ...	670	...	670
				Total ...	15,568	1,325	16,893
Total ...	32,572	1,702	34,274	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	15,215	1,101	16,316
II.—INDIRECT RECEIPTS.				3. Executive			
				Total ...	15,215	1,101	16,316
				V.—TOOLS AND PLANT ...	41	46	87
Irrigation share of Land Revenue collected in the Civil Department.	33,098	916	34,014	VI.—REFUNDS OF REVENUE ...	126	...	126
				Total ...	31,584	2,472	34,056
Total, Receipts ...	65,670	2,618	68,288	Share of Collection Charges in the Civil Department	4,427	153	4,580
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,262	154	2,416
				Total, Charges ...	38,273	2,779	41,052
				Balance Net Revenue...	27,397	—161	27,236
Grand Total ...	65,670	2,618	68,288	Grand Total ...	65,670	2,618	68,288

N.B.—Last Capital Account detailed in the Administrative Accounts for 1885-86.

Construction Estimate closed on 31st March 1886—*vide* Government Resolution No. 1411, dated 12th September 1893.

Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920..

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	124	.....	124
2. Leave and Pension Allowances	2,138	154	2,292
Total ...	2,262	154	2,416

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

MEDLERI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total. Previous.	1919-1920	Total.	Charges.	Total. Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	141	...	141
1. Water-rates from Irrigation ...	18,795	755	19,550	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	1,638	...	1,902	1. Head Works ...	13,862	...	13,862
6. Other canal produce		264		2. Main Canals and Branches ...	24	178	202
11. Miscellaneous Receipts ...	93	...	93	3. Distributaries ...	2,191	...	2,191
Total ...	20,526	1,019	21,545	Total ...	16,077	178	16,255
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	13,659	148	13,807
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	3. Executive ...			
				Total ...	13,659	148	13,807
				V.—TOOLS AND PLANT ..	20	6	26
Total, Receipts ...	20,526	1,019	21,545	VI.—REFUNDS OF REVENUE.	299	...	299
				Total ...	30,196	332	30,528
				Share of Collection Charges in the Civil Department	939	38	977
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,911	21	1,932
				Total, Charges ...	33,046	391	33,437
				Balance Net Revenue ...	—12,520	628	—11,892
Grand Total ...	20,526	1,019	21,545	Grand Total ...	20,526	1,019	21,545

N. B.—Last Capital Account detailed in the Administrative Accounts for 1885-86. Construction Estimate closed on 31st March 1886—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	1,911	21	1,932

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

MADAG TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	97,533	3,584	1,01,117	2. Main Canals and Branches ...	1,537	...	1,537
5 Plantations ...	7,319	...	7,585	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce		266		1 Head Works ...	2,687	...	2,687
11. Miscellaneous Receipts	328	...	328	2. Main Canals and Branches ...	48,677	396	49,073
Total ...	1,05,180	3,850	1,09,030	Total ...	51,364	396	51,760
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	1 & 2. Direction and Accounts ... 3 Executive	36,484	329	36,813
				Total ...	36,484	329	36,813
Total, Receipts ...	1,05,180	3,850	1,09,030	V.—TOOLS AND PLANT ...	583	14	597
				Total ...	89,968	739	90,707
				Share of Collection Charges in the Civil Department	4,901	179	5,080
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	5,740	46	5,786
				Total, Charges ...	1,00,609	964	1,01,573
				Balance Net Revenue ...	4,571	2,886	7,457
Grand Total ...	1,05,180	3,850	1,09,030	Grand Total ...	1,05,180	3,850	1,09,030

N.B.—Last Capital Account detailed in the Administrative Accounts for 1888-89. Construction Estimate closed on 31st March 1889—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances...	5,740	46	5,786

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

ASUNDI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	18,075	...	18,075	1. Head Works ...	219	...	219
5. Plantations... ...	2,622	...	2,622	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce				1. Head Works ...	23,567		23,567
10. Fines	19	...	19	2. Main Canals and Branches ...	...	128	128
11. Miscellaneous Receipts	38	...	38	3. Distributaries ...	2,043	...	2,043
Total ..	20,754	...	20,754	Total ...	25,610	128	25,738
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	20,393	687	21,080	1 & 2. Direction and Accounts ... 3. Executive	21,839	107	21,946
				Total ...	21,839	107	21,946
				V.—TOOLS AND PLANT ...	519	4	523
Total, Receipts ...	41,147	687	41,834				
				Share of Collection Charges in the Civil Department	2,965	69	3,034
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,067	15	3,082
				Total, Charges ...	54,219	323	54,542
				Balance Net Revenue ...	—13,072	364	—12,708
Grand Total ...	41,147	687	41,834	Grand Total ...	41,147	687	41,834

N. B.—Last Capital Account detailed in the Administrative Accounts for 1889-90. Construction Estimate closed on 31st March 1890—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	9	.....	9
2. Leave and Pension Allowances	3,058	15	3,073
Total ...	3,067	15	3082

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

DHARMA CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1919-1920.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1919-1920.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
K. Buildings	2,286	...	2,286	2,286	...
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	1,775	...	1,775	1,775	...
B. Land	476	...	476	476	...
D. Regulators	18,527	53	18,580	18,607	...
F. River and Hill Torrent Works ...	18,511	...	18,511	18,523	...
G. Bridges	868	...	868	875	...
H. Escapes	7,510	...	7,510	7,514	...
K. Buildings	3,385	...	3,385	3,386	...
L. Earth-work	16,428	...	16,428	17,022	...
O. Miscellaneous	6,575	1,342	7,917	7,334	...
Total, Main Canals and Branches ...	74,055	1,395	75,450	75,512	...
Total, I.—Works ...	76,341	1,395	77,736	77,798	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	16,270	309	16,579	16,624	...
3. Executive					
Total, Establishment ...	16,270	309	16,579	16,624	...
III.—TOOLS AND PLANT ...	1,103	48	1,151	1,160	...
Grand Total ...	93,714	1,752	95,466	95,582	...
V.—*Less* Receipts on Capital Account ...	...	...	...	...	...
Net Outlay ...	93,714	1,752	95,466	95,582	...
APPORTIONMENT.					
Chargeable to 43—Minor Works and Navigation	93,714	1,752	95,466	95,582	...

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

DHARMA CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.							
1. Water-rates from Irrigation ...	13,595	1,921	15,516	I.—EXTENSIONS AND IMPROVEMENTS.			
6. Other canal produce.	21	2	23	2. Main Canals and Branches ...	...	787	787
11. Miscellaneous Receipts ...	709	3	712	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	7,717	...	7,717
Total ...	14,325	1,926	16,251	2. Main Canals and Branches ...	2,071	1,557	3,628
				Average expenditure before Improvements .	—8,340	—1,390	—9,730
				Total ...	1,448	167	1,615
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department.	1,09,170	8,634	1,17,804	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	7,167	1,475	8,642
Average Indirect Revenues as per Government Resolution No. A.I.—1650, dated 16th August 1911 ...	—1,38,936	—23,156	—1,62,092	3. Executive ...			
				Total ...	7,167	1,475	8,642
Total ...	—29,766	—14,522	—44,288	V.—TOOLS AND PLANT...	112	82	194
				Total ...	8,727	2,511	11,238
Total Receipts ...	—15,441	—12,596	—28,037	VI.—REFUNDS OF REVNEUE ...	...	309	309
				Share of Collection Charges in the Civil Department ...	—2,261	—1,356	—3,617
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,004	207	1,211
				Total Charges ...	7,470	1,671	9,141
				Balance Net Revenue ...	—22,911	—1,4267	—37,178
Grand Total ...	—15,441	—12,596	—28,037	Grand Total ...	—15,441	—12,596	—28,037

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

DHARMA CANAL.

CANAL PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars.	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized Abatement of Land Revenue ...	2	.....	2
2. Leave and Pension Allowances ...	2,277	43	2,320
Total ...	2,279	43	2,322
REVENUE—			
2. Leave and Pension Allowances ...	1,004	207	1,211

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	77,736	77,798	62	77,736	Revised Estimate sanctioned in Government Resolution No. W. I. 4695 (P. W. D.), dated 4th May 1910.
Establishment ...	...	...	...	16,579	16,624	45	16,579	
Tools and Plant ...	...	...	...	1,151	1,160	9	1,151	
Total ...	...	...	...	95,466	95,582	116	95,466	
Less—Receipts on Capital Account.	...	...	...	...	...	...	...	
Net Total ...	...	...	...	95,466	95,582	116	95,466	
INDIRECT CHARGES.								
Capitalized Abatement of Land Revenue ...	...	...	...	2	425	423	2	
Leave and Pension Allowances ...	...	...	...	2,320	2,327	7	2,320	
Total ...	...	...	...	2,322	2,752	430	2,322	
Grand Total ...	...	...	...	97,788	98,334	546	97,788	

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

MAVINKOP TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipt.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	1,440	...	1,440
5. Plantations ...	28	...	28	3. Distributaries ...	158	...	158
6. Other canal produce.				Total ...	1,598	...	1,598
11. Miscellaneous Receipts	169	...	169	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	4,223	...	4,223
				2. Main Canals and Branches ...	...	123	123
Total ...	197	...	197	3. Distributaries. ...	348	...	348
				Total ...	4,571	123	4,694
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	59,412	2,288	61,700	1 & 2. Direction and Accounts ... 3. Executive ...	4,796	102	4,898
				Total ...	4,796	102	4,898
Total ...	59,412	2,288	61,700	V.—TOOLS AND PLANT.	21	4	25
				Total ...	10,986	229	11,215
Total Receipts ..	59,609	2,288	61,897	Share of Collection Charges in the Civil Department ...	5,950	229	6,179
				Indirect Charges debitable to Revenue Account as per Account No. 5	672	14	686
				Total Charges ...	17,608	472	18,080
				Balance Net Revenue ...	42,001	1,816	43,817
Grand Total ...	59,609	2,288	61,897	Grand Total ...	59,609	2,288	61,897

N.B.—Last Capital Account detailed in the Administrative Accounts for 1901-02. Construction Estimate closed on 31st March 1882—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1919-1920.

Particulars	Previous.	1919-1920.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	672	14	686

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1919-1920.

43.—MINOR WORKS AND NAVIGATION.

WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

SIND.

No. 3.—Revenue Account for, and to end of, 1919-1920.

Receipts.	Total.			Charges.	Total.		
	Previous.	1919-1920.	Total.		Previous.	1919-1920.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,89,680	18,325	5,08,005	I.—EXTENSIONS AND IMPROVEMENTS ...	22,99,514	89,033	23,88,547
3. Sales of water ...	1,170	1	1,171				
4. Water-supply of towns ...	1	...	1				
5. Plantations ...	2,81,419	1,666	2,95,473	II.—MAINTENANCE AND REPAIRS ...	1,03,02,947	7,60,329	1,10,63,276
6. Other canal produce		12,388					
8. Navigation ...	42	...	42				
9. Rents of buildings.	33,565	870	34,435				
10. Fines	36,506	919	37,425				
Receipts from 1874-75 to 1899-1900.	12,02,054	...	12,02,054	IV.—ESTABLISHMENT.			
11. Miscellaneous Receipts ...	4,21,701	17,913	4,39,614	1 & 2. Direction and Accounts ...	25,09,198	1,54,044	26,63,242
				3. Executive			
Total ...	24,66,138	52,082	25,18,220	Total ...	25,09,198	1,54,044	26,63,242
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department ...	4,41,04,969	25,00,820	4,66,05,789	V.—TOOLS AND PLANT ...	—9,333	15,612	6,279
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated respectively 20th June and 1st Aug. 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889.	8,30,651	50,956	8,81,607	Profit and Loss— ...			
				VI.—REFUNDS OF REVENUE ...	410	7	417
				Suspense Accounts ...	—2,499	27,636	25,137
Receipts from 1874-75 to 1899-1900 ...	4,71,38,677	...	4,71,38,677				
Total ...	9,20,74,297	25,51,776	9,46,26,073	Total ...	1,51,00,237	10,46,661	1,61,46,898
Total Receipts ...	9,45,40,435	26,03,858	9,71,44,293	Share of Collection Charges in the Civil Department	26,98,147	1,51,317	28,49,464
Note.—Loss to the canal on account of difference between asssessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1818.				Indirect Charges debitable to Revenue Account as per Account No. 5*	...	...	...
				Receipts from 1874-75 to 1899-1900 ...	2,22,85,677	...	2,22,85,677
Rs.							
To end of 1918-1919 ... 37,86,775							
Loss for 1919-1920 ... 1,57,330							
				Total Charges ...	4,00,84,061	11,97,978	4,12,82,039
Total ... 39,44,105				Balance Net Revenue ...	5,44,56,374	14,05,880	5,58,62,254
Grand Total	9,45,40,435	26,03,858	9,71,44,293	Grand Total ...	9,45,40,435	26,03,858	9,71,44,293

* Not calculated in respect of works for which only "Revenue Accounts are kept."

N.B.—This account has been prepared in accordance with the instructions contained in Government of India's No. 686-C.W.J., dated 10th June 1901, communicated in Government Resolution No. A. I.—1453, dated 12th July 1901.

BOMBAY: PRINTED AT THE GOVERNMENT CENTRAL PRESS.

STATISTICAL STATEMENTS

FOR

IRRIGATION WORKS, DECCAN AND GUJARAT,

FOR THE YEAR 1919-1920.

H 1295—1

STATEMENT

Statement of Canals in the Bombay

Source of Supply of Water.	(1) Pravara Right Bank Canal.	(2) Girna Left Bank Canal.	(3) Godávari Canals.		(4) Nira Left Bank Canal.	(8) Nira Right Bank Canal.	(9) Háthmati and Khári Cut Canals combined.	
			Godávari Right Bank Canal.	Godávari Left Bank Canal.			Háthmati Canal.	Khári Cut Canal.
	Pravara River.	Girna River.	Godávari River.		River Nira and Reservoir at Bhátghar.	River Nira and Reservoir at Vir.	Háthmati River.	Khári River.
Minimum discharge per C. ft. per second.	K. 13 R. 6 H. W. 2	K. 151·90 R. 69·40 H. W. Supplied from Chank a-pur Tank.	K. 99 R. 101 H. W. 59	K. 31 R. 31 H. W. 29	K. 1,318 R. 34 H. W. 5	...	K. 165 R. 38 H. W. 2	21 19 Nil
Maximum discharge of canal. „ ...	K. 140 R. 95 H. W. 68	K. 61·65 R. 64·22 H. W. 64·22	K. 316 R. 244 H. W. 240	K. 126 R. 164 H. W. 128	456	...	K. 605 R. 214 H. W. 18	322 115 222
Average annual rainfall ... Inches.	22·32	19·21	20·59	22·28	20·84	(c) 145	K. 21·42 R. 0·96	22·46 1·03
Gross area commanded ... Acres.	73,763	18,982	144,310	88,080	274,447	600,000	44,744	32,000
Culturable do. ... „	60,000	13,109	136,390	83,000	227,670	480,000	28,840	20,000
Area irrigable by complete project ... ... „	45,000	8,500	49,331	30,109	113,280	113,800	11,336	16,000
Area irrigable at present ... „	24,656	5,100	49,331	30,109	113,280	.....	8,000	16,000
Sanctioned Estimate—								
Direct charges ... ... Rs.	1,11,20,711	18,88,840	95,46,098		57,34,655	2,49,71,868	4,94,705	5,79,678
Indirect charges ... ... „	5,49,881	64,232	4,90,702		3,69,780	8,00,631	30,000	30,651
Interest during construction . „	.....	.....	... ..		28,44,872	.....	2,37,687	.....
Total, Estimate ... Rs.	(a)1,16,70,592	19,53,072	(a) 1,00,36,800		(b) 89,49,307	2,57,72,499	7,62,392	6,10,329
Expenditure to end of 1919-20. Direct charges ... Rs.	90,48,688	18,89,473	96,17,629		61,91,974	1,67,65,137	4,90,925	7,50,058
Indirect charges „	2,82,293	62,353	4,92,076		3,69,160	3,81,071	26,913	47,207
Interest during construction ... „	16,64,561	8,49,544	30,45,225		31,56,403	23,72,957	2,37,687	870 .....
Total Expenditure ... Rs.	1,09,95,542	28,01,370	1,31,54,930		97,17,537	1,95,19,165	7,55,525	7,98,135
Works as now sanctioned—								
Main Canals, Irrigation ... Miles.	33	13·11	(d) 69	(d) 48	100·25	110	21	31
Branch Canals do. ... „	.....	.....	(d) 5	.....	.....	.....	.....	8
Distributaries ... ... „	13	9·80	(d) 42½	(d) 15¼	139·00	.....	25	27
Of above—								
Navigable Channels ... Miles.	.....	.....	.....	.....	.....	.....	.....	.....
Works completed at end of 1919-1920—								
Main Canals, Irrigation ... Miles.	33	13·11	(d) 69	(d) 48	100·25	.....	21	31
Branch Canals do. ... „	.....	.....	(d) 5	.....	.....	.....	.....	8
Distributaries ... ... „	13	9·93	(d) 42½	(d) 15¼	139·00	.....	*53	29½
Of above—								
Navigable Channels ... Miles.	.....	.....	.....	.....	.....	.....	.....	.....

* Increase in length in miles than that shewn before, is due to the small distributaries and extensions of original distributaries—excavated from the grant for "Extensions and Improvements" since 1908 to 1915 having been not taken into account.

(a) These are for the whole Project.

(b) These figures do not include the amount of widening the Nira Left Bank Canal.

(c) Estimated rainfall in the catchment.

(d) As actually completed.

(e) These figures are for the Old Ozar Left Bank Canal.

I-A.

Presidency, excluding Sind, for the year 1919-1920.

(11) Ka'dva River Works.			(12) Lákh Canal.	(15) Krishna Canal.	(23) Jámda Canals.	(25) Pravara Left Bank Canal.	(33) Revári Canal.	(36) Chikhli Canal.	(40) Gokák Canal, 1st Section, and Storage Works.	(46) Dharma Canal.
Pálkhed Canal.	Ojhar Támbat Canal.	Wadáli Canal.								
Kádva River.	Bángauga River.	Kádva River.	Pravara River.	River Krishna.	Girna River.	Pravara River.	River Wárna.	River Nándni.	River Ghataprabha and Storage works.	Dharma River.
K. 1·39	K. 2·34	K. 5·58	K. 2	K. 1,288·75	K. 91·91	K. 50	K. 3·52	K. 4·19	K. Flood.	K. Information not available.
R. Supplied from Waghád tank	R. Supplied from Waghád tank	R. 5·58	R. 2	R. 34·00	R. 65·66	R. 23	R. 2·50	R. Dry.	R. 55·54	R. Nil.
H.W.	H.W.	H.W. 3·50	H. W. 1	H. W. Dry.	H. W. 1·38	H. W. 12	H. W. 1·16	H. W. „	H. W. *Nil*	H. W. Nil.
					Left Bank. Right Bank.				Canal. Mills.	
K. 43·23	K. 8·26	K. 12·62	K. 15		K. 53·36 14·05	K. 260			K. 66 68	K. 178·79
R. 42·08	R. 14·12	R. 14·11	R. 8	105·75	R. 75·39 15·52	R. 133	7·94	18·78	R. 66 68	R. Nil.
H. W. 31·15	H. W. 13·06	H.W.12·74	H. W. 27		H.W. 90·97 35·21	H W. 271			H. W. 66 68	H. Nil.
26·33	20·43	20·33	22·64	26·75	25·24	22·24	24·03	19·65	21·95	79·80
					Left Bank. Right Bank.					
28,832	8,055	3,486	29,913	28,327	37,122 9,166	23,724	3,813	1,871	18,668	13,562
26,280	7,421	2,729	25,536	26,453	33,124 7,061	21,155	3,624	1,478	17,627	12,870
23,466	6,824	2,433	22,760	12,320	3,500 1,500	20,08·	1,920	1,478	17,627	12,870
9,837	2,367	2,433	11,280	12,320	3,500 1,500	14,763	1,920	1,478	17,627	12,870
2,38,087	14,541	29,771	3,75,189	8,29,067	10,27,238	3,25,902	56,324	53,803	13,19,115	95,582
15,761	833	1,540	20,277	48,216	61·402	22,309	3,124	3,612	76,902	2,752
2,12,554	2,411	32,150	3,65,298	7,83,613	.....	...	...	...	1,44,865	.....
4,66,402	17,785	63,461	7,60,764	16,60,896	10,88,640	(e) 3,48,211	59,448	57,415	15,40,882	98,334
2,71,376	7,186	28,291	3,52,446	8,92,977	9,91,178	3,24,317	56,771	53,803	13,01,750	95,466
17,216	647	2,354	19,445	51,482	49,911	23,233	3,040	3,639	80,172	2,322
3,17,565	5,044	45,031	3,55,414	7,83,061	.....	...	...	...	2,41,093	.....
6,06,157	12,877	75,676	7,27,305	17,27,520	10,41,089	3,47,550	59,811	57,442	16,23,015	97,788
11	8	8·62	23	35·25	39	19	5·66	6·50	4·10	19·00
.....	.....	...	...	26·25	.....	...	5·25	....	12·03	8·15
21·50	.....	...	11	...	75	25	...	...	35·43	3·71
.....	.....	...	...	...	.....	...	...	...	.....	.....
11	4·50	8·62	23	35·25	39	19	5·00	6·50	4·10	19·00
.....	.....	...	...	28·62	...	...	5·25	...	12·03	8·15
14·36	.....	...	9·37	...	75	21	...	...	35·43	3·71
.....	.....	...	...	...	.....	..	...	...	.....	.....

STATEMENT

Statement of Reservoir Projects in the

	(2)	(3)	(4)	(4)A	(5)	(10)	(11)	(13)	(13)A	(14)	(16)	(17)		(18)	(19)	(20)
	Chankapur Tank.	Dárna Reservoir.	Bhátghar Reservoir, Nira Canal.	Shetphal Tank.	Mhasvad Tank.	Lower Pánjhra River Works and Mukti Tank.	Kádva River Works (Wághad Tank).	Mutha Reservoir, Lake Fife.	Mátoba Tank.	Ekrúk Tank.	Wangroli Tank.	Tranza Tank.	Nagramma Tank.	Sávli Tank.	Sahiat Tank.	Futelao Tank.
Source of Supply.	Girna River.	Dárna River.	Yelvandi River, Ghát Catchment.	Nira Canal.	Mán River.	Local Streams	Kolvan River, Ghat Catchment.	Mutha River, Ghat Catchment.	Small Nala and Mutha Right Bank Canal.	Adhela River.	Kharwa Nála.	Mátar Drainage Channel.		Gadia Tank.	Sahiat Nála.	Futelao Nala.
If supplied by rainfall. Area of catchment ... Sq. miles.	100	156	128	2·33	480	34·22	29	196	10	159	13	Nil. †	†1·5	11	12·5	7
If supplied by rainfall. Average annual rainfall ... Inches.	36·82	37·71	* 145	19·21	19·92	20·54	48·17	* 138	16·46	28·93	27·74	24·49	24·49	27·10	25·11	29·79
Contents of tanks between levels of surface of full supply and sill of canal head sluice. Millions of cubic feet.	1,548	8,818·30	5,313	572	2,601	324	606	(h) 3,447	(j) 220	3,310	212·00	79·97	97·14	(‡) 172·27 (§) 210·00	130	56
Area of surface at full supply. Acres and decimals.	1,043·49	8,584·02	4,775	898	4,013·80	509	778	3,753	417·46	4,551	596·87	196·00	273·00	557·00	662·81	193·5
Gross area commanded . Acres.	(a)...	232,390	No Irrigation direct from the Reservoir.	(e)25,000	129,045	13,117	(g)...	94,087	10,700	17,152	5,000	1,000	500	4,700	4,000	1,500
Culturable do. ... ,,	(a)...	219,390		(e)25,000	106,214	12,627	(g)...	(i)49,800	7,133	16,941	5,000	888	402	4,760	4,000	1,200
Area irrigable by complete project. ,,	(a)...	79,44		4,200	24,800	12,627	(g)...	16,800	3,250	16,941	3,000	500	300	3,000	2,000 to 2,500	840
Do. at present. ,,	(a)...	79,44		4,200	24,800	12,627	(g)...	16,800	3,250	16,941	3,400	500	300	3,000	2,000	860
Wells supplied by tanks. No.	...	...		...	12	...	...	...	...	...	Nil.	Nil.	Nil	Nil.	Nil.	Nil.
Sanctioned Estimate—																
Direct Charges ... Rs.	(a)...	(a)...	(a)...	7,04,442	20,24,327	4,44,486	4,67,662	64,62,81(	1,93,000	12,28,243	2,01,575	2,61,048		2,25,703	1,54,133	1,02,116
Indirect Charges ... ,,	(a)...	(a)...	(a)...	46,435	1,03,947	22,774	16,835	2,56,743	17,500	1,06,687	46,969	51,686		23,519	32,649	8,669
Interest during construction ... ,,	(a)...	(a)...	(a)...	55,157	6,56,222	2,37,421	2,17,233	56,54,209	...	3,00,650	Nil.	Nil.		Nil.	Nil.	Nil.
Total Estimate ... Rs.	(a)...	(a)...	(a)...	8,06,034	27,84,496	7,04,681	7,01,730	1,23,73,762	2,10,500	21,35,580	2,48,544	3,12,734		2,49,222	1,86,782	1,10,785
Expenditure to end of 1919-20. Direct Charges. Rs.	(a)...	(a)...	(a)...	(a)...	20,05,553	4,45,382	6,64,888	62,39,003	Included in the Mutha Canal.	12,28,117	2,40,227	2,38,032		2,34,179	1,58,452	1,07,356
Expenditure to end of 1919-20. Indirect Charges. ,,	(a)...	(a)...	(a)...	(a)...	90,463	23,239	42,233	2,95,141		1,12,269	50,768	41,576		21,031	25,577	9,104
Expenditure to end of 1919-20. Interest during construction ... ,,	(a)...	(a)...	(a)...	(a)...	14,45,492	4,18,839	4,45,241	56,50,549		10,27,893	Nil.	Nil.		Nil.	Nil.	Nil.
Total Expenditure ... Rs.	(a)...	(a)...	(a)...	(a)...	35,41,508	8,87,460	11,52,362	1,21,84,693	...	23,68,279	2,90,995	2,79,608		2,55,210	1,84,029	1,16,460
Works as now sanctioned—																
Dam (earth or masonry) ...	Masonry	Masonry	Masonry.	Earth.	Earth.	Earth.	Earth.	Masonry.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.
Total height ... Feet.	92	92	127(c) 108(d)	66	79·79	65	95	97·84	48·41	76	27·18	15·84	17·12	37·5	22·14	34·60
Canals ...Miles.	(b)...	117	*Vide* statement No. I-A.	6·54	(f) 66·25	...	(g)...	88	...	48	13·79	5·35	2·25	8·35	9·25	4·48
Distributaries ... ,,	(a)...	62½		...	43·36	45	(g)...	70	17	1·68	Nil.	Nil.	Nil.	1·32	0·85	Nil.
Works completed at end of 1919-20—																
Dam (height completed) ... Feet.	92	92	127(c) 108(d)	66	79·79	65	96	97·84	48·41	76	27·18	15·84	17·12	37·5	22·14	34·60
Canals ...Miles.	(b)...	117	*Vide* statement No. I-A.	6·54	(f)66·25	...	(g)...	88	...	48	17·26	5·35	2·25	8·35	9·25	3·99
Distributaries ... ,,	(b....	62½		...	43·36	45	(g)...	67	17	1·68	Nil.	Nil.	Nil.	1·32	1·79	Nil.

* Estimated rainfall in the catchment.
† The catchment area of the drainage channel is 13 square miles in addition.
‡ At provisional F. S L. R. L. 103·50.
§ At original F. S. L. R. L. 105·00.
¶ This figure is finally accepted by Government in their Memorandum No. I.-12163, dated 21st June 1920.
(a) Figures given in Statement I-A.
(b) The tank supplies the Girna Left Bank Canal and bandharas there below.
(c) Above lowest foundations.
(d) Above lowest point in river bed.
(e) This area is also commanded by the Nira Left Bank Canal.
(f) Includes 38½ miles of Branch Canal.
(g) The tank supplies the Pálkhed, Ojhar Támbat, and Wadáli Canals and their distributaries as noted in Statement I-A.
(h) Storage available after deducting 508 m. cft. which cannot be used on account of the Poona water-supply.
(i) Includes 7,133 commanded by Matoba Tank.
(j) After deducting silt deposits.
(k) Gauged at the respective stations.
(l) Assumed.
(m) Gauged in the catchment area.

II-A.

Bombay Presidency, excluding Sind, for 1919-1920.

(21)	(22)	(24)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(34)	(35)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)
Hartála Tank.	Mhasva Tank.	Parsul Tank.	Bhátodi Tank.	Kásurdi Tank.	Shirsuphal Tank.	Bhádaiwádi Tank.	Koregaon Tank.	Ashti Tank.	Páthri Tank.	Upper Mán River Works (Pingli Tank).	Yerla River Irrigation Works (Nehr Tank).	Maini Tank.	Muchkundi Tank.	Gadikeri Tank.	Gokák Canal, 1st Section, and Storage Works.	Dambal Tank.	Medleri Tank.	Madag Tank.	Asundi Tank.	Málvinkop Tank
Local Streams.	Local Streams.	Parsul River.	Mehekri River.	Kásurdi Nála.	Deccan Tributary of the Bhima River.	Deccan Tributary of the Bhima River.	Nála.	Ashti Nála.	Yerai River.	Mán River.	Yerla River.	Wanga Nála	Muchkundi Nála.	Nála.	Ghataprabha River, Ghat Catchment.	Nála	Medleri Nála.	Kumudwati River.	Nála.	Nála.
6·80	13·40	17·33	44	6	23	23	7	92	27·5	20·00	59·55	51·70	26·00	4·68	1,080	43·00	11·00	540·00	23·00	6·25
26·30	27·84	17·57	29·28	17·64	16·93	19·68	27·64	24·93	29·06	16·25	21·98	21·97	17·44	28·10	(a) ...	(k) 17·76 (m) 21·32	(k) 14·83	(k) 27·74 (m) 41·71	(k) 20·83	(l) 39·01
134	172	118·70	154 (75·82) at present after deducting silt.	(j) 9·14	(j) 356·64	(j) 190·77	¶84·35	1,419	407	192	439·77	183·60	624	27·50	907·182	113·66	57·60	54·63	74·00	45·75
472	421	151	315	379	833·79	335·18	202	2,830	681	349·04	676·09	427·76	1,059	129·00	2,731·86	442·00	169·00	362·00	418·00	170·5
594	4,647	3,337	15,126	597	4,500	3,000	2,394	17,882	5,000	8,443	11,234	4,876	5,570	687	(a)	3,000	1,916	2,851	1,800	872
527	4,075	3,197	13,657	478	2,500	2,400	2,394	16,825	4,586	7,623	10,630	4,625	5,417	Not known.	(a)	2,500	830	1,345	1,011	755
415	1,700	1,000	12,124	150	1,800	2,000	1,050	11,780	2,500	2,080	6,000	4,625	3,417	450	(a)	2,500	1,052	2,186	1,011	755
415	1,700	1,000	12,124	150	1,800	2,000	1,050	11,780	2,500	2,080	5,480	4,625	750	417	(a)	1,000	600	1,345	1,011	617
...	...	...	...	...	...	...	...	...	...	29	28	13	Nil.	Not known.	41	Uncertain.	Nil.	Nil.	Nil.	Nil.
48,890	1,29,813	2,15,366	3,51,767	40,812	2,09,460	2,14,382	40,731	7,54,250	6,43,141	4,16,341	6,96,754	3,68,000	1,48,200	16,990	(a)	81,162	78,237	2,32,263	67,731	30,379
26,150	10,202	8,246	26,511	4,778	12,822	14,342	1,318	80,677	29,715	28,190	48,560	22,492	20,220	541	(a)	3,744	3,468	17,144	12,754	4,005
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(a)	...	...	...	...	...
75,040	1,40,015	2,23,612	3,78,278	45,590	2,22,282	2,28,724	42,049	8,34,927	6,72,856	4,44,531	7,45,314	3,90,492	1,68,420	17,531	(a)	84,906	81,705	2,49,407	80,485	34,384
47,948	1,28,781	2,08,007	3,52,685	40,812	2,12,199	2,13,115	37,923	7,57,050	6,27,825	4,15,335	7,19,542	4,62,125	1,40,217	16,363	(a)	60,847	78,354	1,61,248	60,741	30,185
25,434	10,175	6,988	27,022	4,778	12,369	14,307	1,266	79,041	15,021	23,451	45,328	25,525	18,490	555	(a)	3,133	3,038	6,350	14,254	3,319
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(a)	...	...	...	...	...
73,382	1,38,956	2,14,995	3,79,707	45,590	2,24,568	2,27,422	39,189	8,36,091	6,42,846	4,39,286	7,64,870	4,87,650	1,58,707	16,918	(a)	63,980	81,392	1,67,598	74,995	33,504
Earth.	Earth.	Earth.	Masonry	Earth.	Earth.	Earth.	2 dams, 1 earth & 1 masonry.	Earth.	Earth.	Earth	Earth.	Earth.	Masonry	Earth.	Masonry.	Earth.	Earth	Earth.	Earth.	Earth.
51·50	44	62·27	50	33·45	54·32	55·09	71 & 16	57·75	63·75	53·50	74	57·33	60·00	20·00	27 ft. (maximum above foundation).	42·25	41	100	33·95	30·53
...	...	...	4·50	...	...	...	3·75	27·50	4·66	17·50	33·33	9·25	5·5	Irrigation Channels.	16·13	...	...	9	...	...
5·50	7	4·75	5·50	1·75	12·50	9·75	...	3·15	3·33	6·50	4	7·58	2·25		35·43	3·27	5·64	...	4·86	2·79
51·50	44	62·27	50	33·45	54·32	55·09	71 & 16	57·75	63·75	53·50	74	57·33	60·00	20	27	42·25	41	100	33·95	30·33
...	...	...	4·50	...	...	...	3·75	27·50	4·66	17·50	33·33	9·25	5·5	Irrigation Channels.	4·10 Main Canal 12·03. Wadarhatti Branch, 16·13	...	...	9	...	...
5·50	7	4·75	5·50	1·75	12·50	9·75	...	3·15	3·33	6·50	4	7·58	2·25		35·43	3·27	5·64	...	4·86	2·79

STATEMENT

Capital Account of Irrigation Works in Deccan

Name of Work.	During Year.								
	Direct Charges.						Indirect Charges.		
	Works.	Establishment.	Tools and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.
1	2	3	4	5	6	7	8	9	10
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
35.—Protective Irrigation Works.									
In Operation.									
1. Pravara River Canal	7,43,853	1,64,041	22,095 (a) – 7	9,29,982	1,097	9,28,885	...	22,966	22,966
2. Chankápur Tank	11,413	2,517	339	14,269	...	14,269	...	352	352
3. Godávari Canals	11,654	2,570	346	14,570	...	14,570	...	360	360
4. Nira Canal and Shetphal Tank ...	18,268	4,029	543 (a) – 103	22,737	...	22,737	...	564	564
5. Mhasvad Tank	...	...	...	...	...	...	...	...	...
Total ...	7,85,188	1,73,157	23,323 (a)—110	9,81,558	1,097	9,80,461	...	24,242	24,242
Under Construction.									
6. Máládevi Tank	...	...	...	...	...	...	...	...	...
7. Budhial Tank	391	87	12	490	252	238	...	12	12
8. Nira Right Bank Canal	18,27,035	4,02,916	54,293 (a) 2,24,412	25,08,656	2,216	25,06,440	260	56,408	56,668
Total ...	18,27,426	4,03,003	54,305 (a) 2,24,412	25,09,146	2,468	25,06,678	260	56,420	56,680
Total, Protective Works ...	26,12,614	5,76,160	77,628 (a) 2,24,302	34,90,704	3,565	34,87,139	260	80,662	80,922
49.—IRRIGATION WORKS.									
Productive Works.									
9. Háthmati and Khári Cut Canals ...	...	...	...	...	...	...	...	...	...
10. Lower Pánjhra River Works	...	...	...	...	...	...	...	...	...
11. Kádva River Works	...	...	...	...	...	...	...	...	...
12. Pravara River Works—Lákh Canal ...	...	...	...	...	...	...	...	...	...
13. Mutha Canal and Mátoba Tank ...	...	...	...	...	...	...	...	...	...
14. Ekruk Tank	...	...	...	...	...	...	...	...	...
15. Krishna Canal	...	...	...	...	...	...	...	...	...
Total, Productive Works ...	...	...	...	...	...	...	...	...	...
Total, Major Works ...	26,12,614	5,76,160	77,628 (a) 2,24,302	34,90,704	3,565	34,87,139	260	80,662	80,922
Carried over ..	26,12,614	5,76,160	77,628 (a) 2,24,302	34,90,704	3,565	34,87,139	260	80,662	80,922

(a) Suspense Account.

I-B.

and Gujarát for and to end of 1919-1920.

Grand Total.	To end of Year.									
	Direct Charges.						Indirect Charges.			
	Works.	Establishment.	Tools and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.	Grand Total.
11	12	13	14	15	16	17	18	19	20	21
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
9,51,851	72,67,581	15,81,402	2,09,024 (a) 1	90,58,008	9,320	90,48,688	60,897	2,21,396	2,82,293	93,30,981
14,621	15,15,326	3,17,264	59,015	18,91,605	2,132	18,89,473	17,297	45,056	62,353	19,51,826
14,930	80,90,628	13,04,896	2,24,131	96,19,655	2,026	96,17,629	3,09,393	1,82,683	4,92,076	1,01,09,705
23,301	48,73,931	11,92,947	1,33,478	62,00,256	8,382	61,91,974	1,84,874	1,84,286	3,69,160	65,61,134
...	15,98,308	3,45,781	62,937	20,07,026	1,473	20,05,553	36,924	53,539	90,463	20,96,016
10,04,703	2,33,45,774	47,42,290	6,88,585 (a) 1	2,87,76,650	23,333	2,87,53,317	6,09,385	6,86,960	12,96,345	3,00,49,662
...	2,42,869	60,546	1,473	3,04,888	2,848	3,02,040	875	9,013	9,888	3,11,928
250	3,99,148	89,743	5,053	4,93,944	2,243	4,91,701	5,741	12,564	18,305	5,10,006
25,63,108	1,34,20,782	22,90,499	6,76,123 (a)3,92,046	1,67,79,450	14,313	1,67,65,137	60,401	3,20,670	3,81,071	1,71,46,208
25,63,358	1,40,62,799	24,40,788	6,82,649 (a)3,92,046	1,75,78,282	19,404	1,75,58,878	67,017	3,42,247	4,09,264	1,79,68,142
35,68,061	3,74,08,573	71,83,078	13,71,234 (a)3,92,047	4,63,54,932	42,737	4,63,12,195	6,76,402	10,29,207	17,05,609	4,80,17,804
...	10,05,076	2,24,187	13,189	12,42,452	1,469	12,40,983	36,598	38,392	74,990	13,15,973
...	3,67,303	74,888	3,228	4,45,419	37	4,45,382	8,694	14,545	23,239	4,68,621
...	7,60,525	1,88,801	22,555	9,71,881	140	9,71,741	31,133	31,317	62,450	10,34,191
...	2,64,529	68,641	19,477	3,52,647	201	3,52,446	5,824	13,621	19,445	3,71,891
...	50,92,474	10,41,705	1,18,288 (a) -1,136	62,51,331	12,328	62,39,003	93,528	2,01,613	2,95,141	65,34,144
...	10,07,089	2,12,509	9,713	12,29,311	1,194	12,28,117	69,948	42,321	1,12,269	13,40,386
...	7,35,136	1,55,273	2,568	8,92,977	...	8,92,977	21,822	29,660	51,482	9,44,459
...	92,32,132	19,66,004	1,89,018 (a)—1,136	1,13,86,018	15,369	1,13,70,649	2,67,547	3,71,469	6,39,016	1,20,09,665
35,68,061	4,66,40,705	91,49,082	15,60,252 (a)3,90,911	5,77,40,950	58,106	5,76,82,844	9,43,949	14,00,676	23,44,625	6,00,27,469
35,68,061	4,66,40,705	91,49,082	15,60,252 (a)3,90,911	5,77,40,950	58,106	5,76,82,844	9,43,949	14,00,676	23,44,625	6,00,27,469

STATEMENT

Name of Work.	During Year.								
	Direct Charges.						Indirect Charges.		
	Works.	Establishment.	Tools and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	26,12,614	5,76,160	77,628 (a)2,24,302	34,90,704	3,565	34,87,139	260	80,662	80,922
43.—MINOR WORKS AND NAVIGATION.									
In Operation.									
16. Wargroti Tank	...	...	...	...	...	...	...	...	...
17. Tranza-Nagrama	...	...	...	...	...	...	...	...	...
18. Savli Tank	...	...	...	...	...	...	...	...	...
19. Sahiat do.	...	...	...	...	...	...	...	...	...
20. Futelao do.	...	...	...	...	...	...	...	...	...
21. Hartala do.	...	...	...	...	...	...	...	...	...
22. Mhasva do.	...	...	...	...	...	...	...	...	...
23. Jámda Canals	...	...	...	...	...	...	...	...	..
24. Parsul Tank	...	...	...	...	...	...	...	...	...
25. Pravara Left Bank Canal	...	...	...	...	...	...	...	...	...
26. Bhátodi Tank	...	..	...	...	...	...	...	...	...
27. Kásurdi do.	...	...	...	...	...	...	...	...	...
28. Shirsuphal do.	...	...	...	...	...	...	...	...	...
29. Bhádalwádi do.	...	...	...	...	...	...	...	...	...
30 Koregaum do.	...	...	...	...	...	...	...	...	...
31. Ashti do.	...	...	...	...	...	...	...	...	...
32. Páthri do.	...	...	...	...	...	...	...	...	...
33. Revári Canal	...	...	...	...	...	...	...	...	...
34. Upper Mán River Works	...	...	...	...	...	...	...	...	...
35. Yerla River Irrigation Works	...	...	...	...	...	...	...	...	...
36. Chikhli Canal	...	...	...	..	...	...	...	...	...
37. Maini Tank	...	...	...	...	...	...	...	...	...
38. Muchkundi do.	...	...	...	...	...	...	...	...	...
39. Gadikeri do.	...	...	...	...	...	...	...	...	...
40. Gokák Canal, 1st Section and Storage Works	...	...	...	...	...	...	...	...	...
41. Dámbal Tank	...	...	...	...	...	...	...	...	...
42. Medleri do.	...	...	...	...	...	...	...	...	...
43. Madag do.	...	...	...	...	...	...	...	...	...
44. Asundi do.	...	...	...	...	...	...	...	...	...
45. Mávinkop do.	...	...	...	...	...	...	...	...	...
46. Dharma Canal	1,395	309	48	1,752	...	1,752	...	43	43
Total ...	1,395	309	48	1,752	...	1,752	...	43	43
Under Construction.									
47. Victoria Tank	2,418	509	72	2,999	164	2,835	...	71	71
48. Suki River	...	...	...	...	...	...	...	...	...
Total ..	2,418	509	72	2,999	164	2,835	...	71	71
In Abeyance.									
49. Gokák Canal, 2nd Section	...	...	...	...	...	...	...	...	...
Total, Minor Works ...	3,813	818	120	4,751	164	4,587	...	114	114
Grand Total ...	26,16,427	5,76,978	77,748 (a)2,24,302	34,95,455	3,729	34,91,726	260	80,776	81,036

I-B—*concluded.*

Grand Total.	To end of Year.									
	Direct Charges.						Indirect Charges.			
	Works.	Establishment.	Tools and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.	Grand Total.
11	12	13	14	15	16	17	18	19	20	21
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
35,68,051	4,66,40,705	91,49,082	15,60,252 (a) 3,90,911	5,77,40,950	58,106	5,76,82,844	9,43,949	14,00,676	23,44,625	6,00,27,469
...	2,11,223	27,921	1,826	2,40,970	743	2,40,227	46,793	3,910	50,703	2,90,930
...	2,22,942	14,168	924	2,38,034	2	2,38,032	40,620	1,983	42,603	2,80,635
...	2,02,183	30,269	1,974	2,34,426	247	2,34,179	16,793	4,238	21,031	2,55,210
...	1,34,805	22,199	1,448	1,58,452	...	1,58,452	22,470	3,107	25,577	1,84,029
...	88,822	17,325	1,209	1,07,356	...	1,07,356	6,680	2,425	9,105	1,16,461
...	33,437	11,936	2,579	47,952	4	47,948	23,052	2,382	25,434	73,382
...	1,01,259	26,399	1,129	1,28,787	6	1,28,781	5,026	5,149	10,175	1,38,956
...	7,86,229	1,91,841	13,129	9,91,199	21	9,91,178	12,015	37,896	49,911	10,41,089
...	1,62,423	42,832	2,823	2,08,078	71	2,08,007	972	6,016	6,988	2,14,995
...	2,34,163	85,770	4,528	3,24,461	144	3,24,317	6,943	16,290	23,233	3,47,550
...	2,73,838	70,183	9,354	3,53,375	690	3,52,685	13,023	13,999	27,022	3,79,707
...	31,433	8,495	884	40,812	...	40,812	3,079	1,699	4,778	45,590
...	1,71,148	38,190	2,861	2,12,199	...	2,12,199	5,137	7,232	12,369	2,24,568
...	1,57,001	53,493	2,621	2,13,115	...	2,13,115	4,067	10,240	14,307	2,27,422
...	30,044	7,661	218	37,923	...	37,923	...	1,266	1,266	39,189
...	6,09,236	1,45,084	8,122	7,62,442	5,392	7,57,050	52,311	26,730	79,041	8,36,091
...	5,21,783	1,00,435	7,403	6,29,621	1,796	6,27,825	960	14,061	15,021	6,42,846
...	47,057	9,693	21	56,771	...	56,771	1,259	1,781	3,040	59,811
...	3,14,286	95,008	6,782	4,16,076	241	4,15,835	5,880	17,571	23,451	4,39,286
...	5,89,656	1,24,186	8,065	7,21,907	2,365	7,19,542	22,684	22,644	45,328	7,64,870
...	39,984	13,611	208	53,803	...	53,803	917	2,722	3,639	57,442
...	3,43,053	1,16,100	3,512	4,62,665	540	4,62,125	3,875	21,650	25,525	4,87,650
...	1,11,830	26,360	2,294	1,40,484	267	1,40,217	14,386	4,104	18,490	1,58,707
...	13,105	3,118	140	16,363	...	16,363	13	542	555	16,918
...	11,00,148	1,81,106	21,236	13,02,490	740	13,01,750	53,279	26,893	80,172	13,81,922
...	49,262	10,769	878	60,909	62	60,847	1,034	2,099	3,133	63,980
...	61,881	15,324	1,155	78,360	6	78,354	243	2,795	3,038	81,392
...	1,26,596	31,841	2,825	1,61,262	14	1,61,248	...	6,350	6,350	1,67,598
...	48,805	10,881	1,055	60,741	...	60,741	12,536	1,718	14,254	74,995
...	23,738	6,232	353	30,323	138	30,185	2,101	1,218	3,319	33,504
1,795	77,736	16,579	1,151	95,466	...	95,466	2	2,320	2,322	97,788
1,795	69,19,106	15,55,009	1,12,707	85,86,822	13,489	85,73,333	3,78,150	2,73,030	6,51,180	92,24,513
2,906	52,856	11,151	723	64,730	1,524	63,206	2,463	1,562	4,025	67,231
...	12,212	2,749	178	15,139	...	15,139	...	385	385	15,524
2,906	65,068	13,900	901	79,869	1,524	78,345	2,463	1,947	4,410	82,755
...	92,036	70,024	14,246	1,76,306	...	1,76,306	740	13,238	13,978	1,90,284
4,701	70,76,210	16,38,933	1,27,854	88,42,997	15,013	88,27,984	3,81,353	2,88,215	6,69,568	94,97,552
35,72,762	5,37,16,915	1,07,88,015	16,88,106 (a) 3,90,911	6,65,83,947	73,119	6,65,10,828	13,25,302	16,88,891	30,14,193	6,95,25,021

(a) Suspense Account.

J. STUART MILNE,
Accountant General, Bombay.

STATEMENT

Statement showing the Financial Results of Irrigation Works in

(Realizations under main heads of

Name of Work.	Revenue (Actual Receipts).									
	Irrigation.			Navigation.	Plantations.	Water-power.	Miscellaneous.	Total.	Refunds of Revenue.	Gross Revenue less refunds.
	Water-rate directly paid.	Share of Land Revenue.	Total.							
1	2	3	4	5	6	7	8	9	10	11
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
35.—*Protective Irrigation Works.*										
1. Pravara River Canal ...	14,227	...	14,227	...	793	...	581	15,601	...	15,601
2. Chankápur Tank ...	22,686	...	22,686	...	...	...	290	22,976	...	22,976
3. Godávari Canals ...	4,41,393	...	4,41,393	30	757	...	11,336	4,53,516	10,368	4,43,148
4. Nira Canal and Shetphal Tank ...	4,78,371	...	4,78,371	...	654	...	6,441	4,85,466	2	4,85,464
5. Mhaswad Tank ...	54,248	...	54,248	...	1,064	...	4,044	59,356	...	59,356
Total ...	10,10,925	...	10,10,925	30	3,268	...	22,692	10,36,915	10,370	10,26,545
49.—IRRIGATION WORKS.										
Productive Works.										
9. Háthmati and Khári Cut Canals ...	15,766	...	15,766	...		...	6,578	22,354	...	22,354
10. Lower Pánjhra River Works	12,697	3,354	16,051	...	...	...	1,369	17,420	...	17,420
11. Kádva River Works ...	27,489	594	28,083	...	...	...	1,807	29,890	16	29,874
12. Pravara River Works—Lákh Canal ...	1,391	225	1,616	...	38	...	268	1,922	...	1,922
13. Mutha Canals and Matoba Tank ...	3,08,013	54	3,08,067	2	2,125	...	60,469	3,70,663	1	3,70,662
14. Ekruk Tank ...	30,951	...	30,951	...	902	...	99,718	1,31,571	...	1,31,571
15. Krishna Canal ...	90,755	...	90,755	...	...	...	437	91,192	...	91,192
Total ...	4,87,062	4,227	4,91,289	2	3,075	...	1,70,646	6,65,012	17	6,64,995
Total, Major Works ...	14,97,987	4,227	15,02,214	32	6,343	...	1,93,338	17,01,927	10,387	16,91,540
43.—MINOR WORKS AND NAVIGATION.										
16. Wangroli Tank ...	2,925	3,979	6,904	...	...	...	443	7,347	...	7,347
17. Tranza-Nagrama ...	34	11	45	...	...	...	884	929	...	929
18. Savli Tank ...	999	2	1,001	...	...	...	451	1,452	...	1,452
19. Sahiat do. ...	1,051	1,926	2,977	...	...	...	942	3,919	...	3,919
20. Futelao do. ...	45	...	45	...	...	...	140	185	...	185
21. Haratála do. ...	693	...	693	...	16	...	4,891	5,600	...	5,600
22. Mhasva do. ...	1,335	...	1,335	...	19	...	828	2,182	...	2,182
23. Jámda Canals ...	18,595	...	18,595	...	833	...	1,109	20,537	...	20,537
24. Parsul Tank ...	2,225	...	2,225	...	...	...	114	2,339	...	2,339
25. Pravara Left Bank Canal	17,157	76	17,233	...	58	...	272	17,563	...	17,563
26. Bhátodi Tank ...	6,513	3,402	9,915	...	...	...	915	10,830	...	10,830
27. Kásurdi do. ...	1	...	1	...	15	...	201	217	...	217
28. Shirsuphal do. ...	5,735	...	5,735	...	...	...	5,747	11,482	...	11,482
29. Bhádalwádi do. ...	7,339	...	7,339	...	...	...	170	7,509	...	7,509
30. Koregaon do. ...	768	...	768	...	...	...	96	864	...	864
31. Ashti do. ...	31,012	...	31,012	...	227	...	100	31,339	...	31,339
32. Pathri do. ...	6,175	...	6,175	...	...	...	2,234	8,409	...	8,409
33. Revári Canals ...	1,226	...	1,226	...	...	...	69	1,295	...	1,295
34. Upper Mán River Works...	6,809	...	6,809	...	...	...	75	6,884	...	6,884
35. Chikhli Canal ...	1,385	...	1,385	...	...	...	43	1,428	...	1,428
36. Yerla River Irrigation Works ...	22,431	...	22,431	...	...	...	656	23,087	...	23,087
37. Maini Tank ...	6,994	...	6,994	...	...	...	274	7,268	...	7,268
38. Muchkundi do. ...	...	...	...	...	...	...	18	18	...	18
39. Gadikeri do. ...	...	2,061	2,061	...	...	...	...	2,061	...	2,061
40. Gokák Canal, First Section, and Storage Works ...	43,970	...	43,970	...	...	14,313	3,982	62,265	59	62,206
41. Dámbal Tank ...	1,230	916	2,146	...	...	...	472	2,618	...	2,618
42. Medleri do. ...	755	...	755	...	...	...	264	1,019	...	1,019
43. Madag do. ...	3,584	...	3,584	...	...	...	266	3,850	...	3,850
44. Asundi do. ...	...	687	687	...	...	...	...	687	...	687
45. Mávinkop do. ...	...	2,288	2,288	...	...	...	...	2,288	...	2,288
46. Dharma Canal ...	1,921	—14,522	—12,601	...	...	...	5	—12,596	309	—12,905
Total, Minor Works and Navigation	1,92,907	826	1,93,733	...	1,168	14,313	25,661	2,34,875	368	2,34,507
GRAND TOTAL ...	16,90,894	5,053	16,95,947	32	7,511	14,313	2,18,999	19,36,802	10,755	19,26,047

I-C.

Deccan and Gujarát for the year ending 31st March 1920.

Revenue and Working Expenses.)

Revenue Management.				Working Expenses.									
				Maintenance and Repairs.									
Establishment.			Total Revenue Management.	Total Establishment.	Works.	Repairs.	Sundries.	Tools and Plant.	Plantations.	Total Cost of Maintenance.	Indirect Charges.	Grand Total, Working Expenses.	Net Revenue.
Total Establishment.	Navigation.	Civil Officers.											
13	13	14	15	16	17	18	19	20	21	22	23	24	25
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
9,771	...	710	10,481	5,458	2,895	15,169	...	648	3,768	27,938	2,132	40,551	—2[illegible],050
4,585	...	1,140	5,725	2,962	4,345	6,460	...	352	1,043	15,162	1,057	21,944	1,032
45,441	...	22,459	67,900	25,668	14,160	77,117	...	3,050	11,396	1,31,391	9,955	2,09,246	2,33,902
49,223	...	23,919	73,142	20,303	16,242	60,519	...	2,412	4,452	1,03,928	9,734	1,86,804	2,98,660
1,196	...	2,690	3,886	1,419	416	5,211	...	169	48	7,263	366	11,515	47,841
1,10,216	...	50,918	1,61,134	55,810	38,058	1,64,476	...	6,631	20,707	2,85,682	23,244	4,70,060	5,56,485
...	...	795	795	3,701	5,946	21,347	...	587	446	32,027	518	33,340	—10,986
770	...	1,400	2,170	444	...	1,609	...	66	167	2,286	170	4,626	12,794
16,642	...	1,389	18,031	10,755	10,343	30,840	...	1,278	1,338	55,054	3,836	76,921	—47,047
661	...	92	753	370	...	1,479	...	44	...	1,893	144	2,790	—868
30,141	...	15,024	45,165	11,499	—2,699	48,215	—486	1,366	481	58,376	5,830	1,09,371	2,61,291
1,306	...	6,005	7,311	1,652	193	5,598	...	247	810	8,505	414	16,230	1,15,341
1,506	...	6,023	7,529	1,241	23	4,381	556	173	558	6,932	385	14,846	76,346
51,026	...	30,728	81,754	29,662	14,311	1,13,469	70	3,761	3,800	1,65,073	11,297	2,58,124	4,06,871
1,61,242	...	81,646	2,42,888	85,472	52,369	2,77,945	70	10,392	24,507	4,50,755	34,541	7,28,184	9,63,356
...	...	544	544	702	1,465	4,222	...	120	...	6,509	98	7,151	196
...	...	3	3	316	1,181	1,380	...	54	...	2,931	44	2,978	—2,049
...	...	49	49	415	94	3,270	...	71	...	3,850	58	3,957	—2,505
...	...	245	245	407	13	3,260	...	70	24	3,774	57	4,076	—157
...	...	2	2	85	5	688	...	15	...	793	12	807	—622
205	...	48	253	314	991	264	...	47	...	1,616	73	1,942	3,658
349	...	67	416	531	27	1,805	...	79	294	2,736	123	3,275	—1,093
1,409	...	930	2,339	2,153	2,069	5,953	...	322	593	11,090	499	13,928	6,609
291	...	111	402	194	...	717	...	23	57	991	68	1,461	878
3,151	...	862	4,013	1,800	—13	6,360	...	214	853	9,214	693	13,920	3,643
176	...	651	827	1,595	4,579	1,779	...	238	23	8,214	248	9,289	1,541
1,532	...	...	1,532	593	...	2,372	...	70	...	3,035	298	4,865	—4,648
956	...	287	1,243	371	...	1,449	...	44	33	1,897	186	3,326	8,156
1,055	...	367	1,422	409	...	1,576	...	49	59	2,093	205	3,720	3,789
522	...	38	560	696	2,384	381	...	104	18	3,583	171	4,314	—3,450
689	...	1,863	2,552	916	159	3,364	...	137	142	4,718	225	7,495	23,844
208	...	409	617	277	...	1,071	...	41	35	1,424	68	2,109	6,300
323	...	61	384	276	...	1,001	...	38	103	1,418	84	1,886	—591
1,529	...	340	1,869	1,302	1,461	3,562	...	181	186	6,692	356	8,917	—2,033
69	...	69	138	59	...	223	...	8	11	301	18	457	971
1,568	...	1,122	2,690	1,337	...	4,685	...	186	661	6,869	407	9,966	13,121
1,130	...	350	1,480	963	467	3,019	...	134	364	4,947	293	6,720	548
87	...	...	87	114	...	454	...	16	...	584	28	699	—681
21	...	206	227	28	...	110	...	4	...	142	7	376	1,685
3,149	...	2,251	5,400	1,457	861	4,967	...	203	...	7,488	645	13,533	48,673
770	...	153	923	331	...	1,325	...	46	...	1,702	154	2,779	—161
103	...	38	141	45	...	178	...	6	...	229	21	391	628
230	...	179	409	99	...	322	...	14	74	509	46	964	2,886
75	...	69	144	32	...	128	...	4	...	164	15	323	364
71	...	229	300	31	...	123	...	4	...	158	14	472	1,816
1,237	...	—1,356	—119	238	787	167	...	82	...	1,274	207	1,362	—14,267
20,905	...	10,187	31,092	18,086	16,530	60,175	...	2,624	3,530	1,00,945	5,421	1,37,458	97,049
1,82 147	...	91,833	2,73,980	1,03,558	68,899	3,38,120	70	13,016	28,037	5,51,700	39,962	8,65,642	10,60,405

J. STUART MILNE,
Accountant General, Bombay.

STATEMENT

Statement showing the Financial Results of Irrigation Works in the

Number of Works	Name of Works.	General Financial Results to end							
		Mileage in operation.		Estimated cost of construction (direct and indirect).	Date of completion of work (P. W. Code II, 1918).	Date when system first came into operation.	Total Capital outlay (direct and indirect).	Accumulated arrears of interest.	Accumulated surplus revenues.
		Main canals and branches.	Distributaries.						
1	2	3	4	5	6a	6b	7	8	9
	MAJOR WORKS.	Miles.	Miles.	Rs.			Rs.	Rs.	Rs.
	35.—Protective Irrigation Works.								
	In Operation.								
1	Pravara Canals	33·00	13·00	1,16,70,592	Not completed.	1909-10 ...	93,30,981	17,18,267	...
2	Chankápur Tank	13·11	9·93	19,68,106	1909-10 ...	1909-10 ...	19,51,826	8,87,620	...
3	Godávari Canals	118·50	57·46	1,01,47,321	1915-16 ...	1911-12 ...	1,01,09,705	24,23,964	...
4	Nira Canal including Shetphal Tank ...	106·79	139·00	65,55,037	1898-99 ...	1885-86 ...	65,61,134	22,84,713	...
5	Mhaswad Tank	66·25	43·36	20,96,016	1900-01 ...	1884-85 ...	20,96,016	24,21,800	...
6	Gokák Canal, 1st Section	.....	.....	4,12,666	1896-97 ...	1884-85 ...	4,12,666	5,75,692	...
	Total ...	337·65	262·75	3,28,49,788	.....	.....	3,04,62,328	1,03,10,056	...
	Under Construction.								
7	Máladeví Tank	.....	.....	3,14,574	Not completed.	Under construction.	3,11,923	2,32,147	...
8	Budhihal Tank	.....	.....	14,54,611			5,10,006	2,51,429	...
9	Nira Right Bank Canal	.....	.....	2,57,72,499			1,71,46,208	23,72,957	...
	Total ...	.....	.....	2,75,41,684	.....	.....	1,79,68,142	28,56,533	...
	Total, Protective Irrigation—Works ...	337·65	262·75	6,03,91,472	.....	.....	4,84,30,470	1,31,66,589	...
	40.—Irrigation Productive Works.								
10	Hathmati Canal, including Khári Cut Canal	60·00	82·50	13,15,973	1883-84 ...	1873-74 ...	13,15,973	9,86,767	...
11	Lower Pánjra River Works	.....	45·00	4,68,621	1894-95 ...	1851-52 ...	4,68,621	4,95,609	...
12	Kadwa River Works	24·12	14·36	10,34,191	1907-08 ...	1868-69 ...	10,34,191	11,35,689	...
13	Pravara River Works—Lákh Canal... ...	23·00	9·37	3,71,891	1893-94 ...	1869-70 ...	3,71,891	9,48,318	...
14	Mutha Canal, including Mátoba Tank ...	88·00	84·00	65,34,253	1896-97 ...	1874-75 ...	65,34,144	39,58,759	...
15	Ekrúk Tank	48·00	1·68	13,40,386	1890-91 ...	1872-73 ...	13,40,386	14,46,341	...
16	Krishna Canal	63·87	.....	9,46,769	1891-92 ...	1869-70 ...	9,44,459	5,70,895	...
	Total, Productive Works ...	306·99	236·91	1,20,12,084	.....	.....	1,20,09,665	95,42,378	...
	Total, Major Works ...	644·64	499·66	7,24,03,556	.....	.....	6,04,40,135	2,27,03,967	...
	43.—Minor Works and Navigation—Irrigation Works.								
17	Wángroli Tank.	17·26	.....	2,90,930	1908-09 ...	1904-05 ...	2,90,930	1,66,778	...
18	Tranza Nagráma Tanks	7·60	.....	2,80,635	1909-10 ...	1904-05 ...	2,80,635	1,66,511	...
19	Sávli Tank	8·35	1·32	2,55,210	1909-10 ...	1908-09 ...	2,55,210	1,68,487	...
20	Sahiat do.	9·25	1·79	1,84,029	1911-12 ...	1910-11 ...	1,84,029	1,38,631	...
21	Futelao do.	3·99	.....	1,16,461	1916-17 ...	1915-16 ...	1,16,461	26,519	...
22	Hartála do.	.....	5·50	73,382	1886-87 ...	1872-73 ...	73,382	65,435	...
23	Mhaswa do.	.....	7·00	1,38,956	1886-87 ...	1877-78 ...	1,38,956	2,24,927	...
24	Jámda Canals	39·00	75·00	10,41,089	1901-02 ...	1870-71 ...	10,41,089	22,24,608	...
25	Parsul Tank	.....	4·75	2,18,946	1894-95 ...	1889-90 ...	2,14,995	2,27,821	...
26	Pravara Left Bank Canal	19·00	21·00	3,47,550	1892-93 ...	1874-75 ...	3,47,550	6,08,632	...
27	Bhátodi Tank	4·50	4·50	3,79,707	1891-92 ...	1871-72 ...	3,79,707	6,44,780	...
28	Kásurdi do.	.....	1·75	45,590	1877-78 ...	1869-70 ...	45,590	1,04,478	...
29	Shirsuphal do.	.....	12·50	2,24,568	1893-94 ...	1879-80 ...	2,24,568	3,07,850	...
30	Bhádalwádi do.	.....	9·75	2,27,422	1890-91 ...	1881-82 ...	2,27,422	2,88,336	...
31	Koregaon do.	3·75	.....	39,189	1891-92 ...	1868-69 ...	39,189	75,375	...
32	Ashti do.	27·50	3·15	8,36,091	1892-93 ...	1881-82 ...	8,36,091	10,56,989	...
33	Páthri do.	4·66	3·33	6,42,843	1908-09 ...	1906-07 ...	6,42,846	3,26,181	...
34	Rewári Canal	10·25	.....	59,811	1892-93 ...	1865-66 ...	59,811	29,397	...
35	Upper Mán River Works	17·50	6·50	4,39,286	1891-92 ...	1872-73 ...	4,39,286	6,91,334	...
36	Yerla River Irrigation Works	33·33	4·00	7,71,814	1894-95 ...	1869-70 ...	7,64,870	9,98,424	...
37	Chikhli Canal	6·50	.....	57,442	1882-83 ...	1870-71 ...	57,442	96,988	...
38	Maini Tank	9·25	7·58	4,87,650	1891-92 ...	1875-76 ...	4,87,650	6,38,415	...
39	Muchkundi Tank	5·50	2·25	1,58,707	1890-91 ...	1884-85 ...	1,58,707	1,95,713	...
40	Gadikeri Tank	.....	.....	16,918	1881-82 ...	1882-83 ...	16,918	.....	46,161
41	Gokák Canal, First Section	16·13	35·43	9,69,256	1896-97 ...	1884-85 ...	9,69,256	.....	17,947
42	Dambal Tank	.....	3·27	63,980	1885-86 ...	1880-81 ...	63,980	70,915	...
43	Medleri do.	.....	4·87	81,392	1887-88 ...	1884-85 ...	81,392	1,28,985	...
44	Madag do.	9·00	.....	1,67,598	1888-89 ...	1886-87 ...	1,67,598	3,22,084	...
45	Asundi do.	.....	4·86	74,995	1889-90 ...	1884-85 ...	74,995	98,122	...
46	Mávinkop do.	.....	2·79	33,504	1881-82 ...	1882-83 ...	33,504	1,265	...
47	Dharma Canal	19·00	13·00	98,334	Not completed.	1913-14 ...	97,788	62,715	...
	Total ...	271·32	235·89	88,23,288	.....	.....	88,11,847	1,01,56,670	64,108
	Under Construction.								
48	Victoria Tank	.....	.....	4,61,003	Not completed.	Under construction.	67,231	28,526	...
49	Suki River	.....	.....	.....			15,524	4,424	...
	Total ...	.....	.....	4,61,003	.....	.....	82,755	32,950	...
	In Abeyance.								
50	Gokák Canal, Second Section	.....	.....	1,91,995	.....	.....	1,90,284	2,84,660	...
	Total, Minor Works ...	271·32	235·89	94,76,286	.....	.....	90,84,886	1,04,74,280	64,108
	Grand Total ...	915·96	735·55	8,18,79,842	.....	.....	6,95,25,021	3,31,83,247	64,108

II-C.

Deccan and Gujarát for, and up to the end of, 1919-1920.

of 1919-1920.	Financial Results of the year 1919-1920.									
Total sum-at-charge (column 7+column 8).	Gross receipts (direct and indirect).	Working expenses (direct and indirect).	Net revenue.	Percentage on Capital outlay, column 7.	Percentage on sum-at-charge, column 10.	Interest at 3·4818 per cent. on direct Capital outlay to end of previous year, *plus* half the outlay of the year.	Net profit.	Net loss.	Area irrigated.	Percentage of working expenses to receipts (column 11 to column 12).
10	11	12	13	14	15	16	17	18	19	20
Rs.	Rs.	Rs.	Rs.	Per cent.	Per cent.	Rs.	Rs.	Rs.	Acres.	Per cent.
1,10,49,248	15,601	40,551	—24,950	.....	.....	3,44,046	...	3,68,996	6,134	259·93
28,39,446	22,976	21,944	1,032	0·05	0·04	65,185	...	64,153	3,842	95·51
1,25,33,669	4,43,149	2,09,246	2,33,902	2·31	1·87	3,29,737	...	95,835	33,135	47·22
88,45,847	4,85,464	1,86,804	2,98,660	4·40	3·38	2,12,728	85,932	.....	82,977	38·48
45,17,816	59,356	11,515	47,841	2·28	1·06	68,341	...	20,500	8,601	19·40
9,86,358	.....	.....	.....	.....	.....	13,662	...	13,662	.....	.....
4,07,72,384	10,26,545	4,70,060	5,56,485	1·83	1·36	10,33,699	...	4,77,214	1,34,689	45·79
5,44,075	.....	.....	.....	.....	.....	10,292	...	10,292	.....	.....
7,61,435	.....	.....	.....	.....	.....	16,766	...	16,766	.....	.....
1,95,19,165	.....	.....	.....	.....	.....	6,49,099	...	6,49,099	.....	.....
2,08,24,675	.....	.....	.....	.....	.....	6,76,157	...	6,76,157	.....	.....
6,15,97,059	10,26,545	4,70,060	5,56,485	1·15	0·90	17,09,856	...	11,53,371	1,34,689	45·79
23,02,740	22,354	33,340	—10,986	.....	.....	42,288	...	53,274	14,053	149·15
9,64,230	17,420	4,626	12,794	2·73	1·33	15,177	...	2,383	3,562	26·56
21,69,880	29,874	76,921	—47,047	.....	.....	33,113	...	80,160	3,702	257·48
13,20,209	1,923	2,790	—868	.....	.....	12,010	...	12,878	601	145·16
1,04,92,903	3,70,662	1,09,371	2,61,291	4·00	2·54	2,12,115	49,176	.....	25,176	29·51
27,66,727	1,31,571	16,230	1,15,341	8·61	4·14	41,849	73,492	.....	4,377	12·33
15,15,354	91,192	14,846	76,346	8·69	5·04	30,430	45,916	.....	5,509	16·23
2,15,52,043	6,64,995	2,58,124	4,06,871	3·39	1·89	3,56,982	19,889	.....	56,980	38·82
8,31,49,102	16,91,540	7,28,184	9,63,356	1·59	1·16	20,96,838	...	11,33,492	1,91,669	43·05
4,57,708	7,347	7,151	196	0·07	0·04	8,218	...	8,022	2,089	97·33
4,47,146	929	2,978	—2,049	.....	.....	8,111	...	19,160	10	32·06
4,23,697	1,452	3,957	—2,505	.....	.....	7,980	...	10,485	1,237	272·52
3,22,660	3,919	4,076	—157	.....	.....	5,399	...	5,556	1,218	104·01
1,42,980	185	807	—622	.....	.....	3,658	...	4,280	49	436·23
1,38,817	5,600	1,942	3,658	4·28	2·64	1,634	2,024	.....	44	34·68
3,63,883	2,182	3,275	—1,093	.....	.....	4,388	...	5,481	112	150·09
32,65,607	20,537	13,928	6,609	0·63	0·20	33,775	...	27,166	1,595	67·82
4,42,816	2,339	1,461	878	0·41	0·19	7,088	...	6,210	1,256	62·46
9,56,182	17,563	13,920	3,643	1·05	0·38	11,052	...	7,409	10,789	79·23
10,24,467	10,330	9,289	1,541	0·41	0·15	12,018	...	10,477	1,422	85·77
1,50,063	217	4,865	—4,648	.....	.....	1,391	...	6,039	22	2241·93
5,32,418	11,482	3,326	8,156	3·63	1·53	7,231	925	.....	1,350	28·97
5,15,758	7,509	3,720	3,789	1·67	0·73	7,262	...	3,473	1,651	49·54
1,14,564	864	4,314	—3,450	.....	.....	1,292	...	4,742	166	499·31
18,93,080	31,339	7,495	23,844	2·85	1·26	25,797	...	1,953	4,642	23·91
9,69,027	8,409	2,109	6,300	0·98	0·65	21,394	...	15,094	1,152	25·08
89,208	1,295	1,886	—591	.....	.....	1,935	...	2,526	697	145·64
11,30,620	6,684	8,917	—2,033	.....	.....	14,170	...	16,203	1,533	129·53
17,63,294	23,087	9,966	13,121	1·72	0·74	24,519	...	11,398	4,233	43·17
1,54,430	1,428	457	971	1·69	0·63	1,833	...	862	480	32·01
11,26,065	7,268	6,720	548	0·11	0·05	15,747	...	15,199	2,626	92·46
3,54,420	18	699	—681	.....	.....	4,778	...	5,459	.....	3883·33
16,918	2,061	376	1,685	9·96	9·96	558	1,127	.....	377	18·24
9,69,256	62,206	13,533	48,673	5·02	5·02	30,696	17,977	.....	8,548	21·75
1,34,895	2,618	2,779	—161	.....	.....	2,073	...	2,234	562	106·15
2,10,377	1,019	391	628	0·77	0·30	2,670	...	2,042	104	38·37
4,39,682	3,850	964	2,886	1·72	0·59	5,495	...	2,609	613	25·04
1,73,117	687	323	364	0·49	0·21	2,070	...	1,706	267	47·02
34,769	2,288	472	1,816	5·42	5·22	1,029	787	.....	81	20·63
1,60,503	—12,905	1,362	—14,267	.....	.....	3,452	...	17,719	4,334	.....
1,89,68,517	2,34,507	1,37,458	97,049	1·10	0·51	2,78,713	...	1,81,664	53,253	58·62
95,757	.....	.....	.....	.....	.....	2,288	...	2,288	.....	.....
19,048	.....	.....	.....	.....	.....	516	...	516	.....	.....
1,15,705	.....	.....	.....	.....	.....	2,804	...	2,804	.....	.....
4,74,944	.....	.....	.....	.....	.....	6,008	...	6,008	.....	.....
1,95,59,166	2,34,507	1,37,458	97,049	1·07	0·49	2,87,525	...	1,90,476	53,253	58·62
10,27,08,268	19,26,047	8,65,642	10,60,405	1·53	1·03	23,84,363	...	13,23,958	2,44,922	44·94

J. STUART MILNE,
Accountant General, Bombay.

STATEMENT III-C.

Demands and Realizations during the year 1919-1920 in Deccan and Gujarát.

	Irrigation Works.	Balance of demands unrealized at commencement of year. (b)	Demands of the year (a).				Total including balance at commencement of year.	*Deduct*— Remissions not including Cash Refunds.	Net Total.	*Deduct*— Amount unrealized at close of year.	Actual Realizations of the year.
			Rabi, 1918-1919.	Kharif, 1919-1920.	Miscellaneous Receipts.	Total.					
	1	2	3	4	5	6	7	8	9	10	11
	MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	35.—Protective Irrigation Works.										
1	Pravara River Canal... ...	3,276	5,403	8,253	1,398	15,054	18,330	.....	18,330	2,729	15,601
2	Chankápur Tank	1,701	18,839	7,740	322	21,901	23,602	4	23,598	622	22,976
3	Godávari Canals	2,64,313	1,68,995	2,05,160	12,977	3,87,132	6,51,445	39,976	6,11,469	1,57,953	4,53,516
4	Nira Canal and Shetphal Tank	3,48,141	1,13,056	3,21,842	7,349	4,42,247	7,90,388	691	7,89,697	3,04,231	4,85,466
5	Mhaswad Tank	16,128	24,385	13,661	5,108	43,154	59,282	.....	59,282	—74	59,356
	Total, Protective Works ...	6,33,559	3,25,678	5,56,656	27,154	9,09,488	15,43,047	40,671	15,02,376	4,65,461	10,36,915
	49.—Irrigation. Productive Works.										
9	Háthamati and Kháricut Canal	29,506	498	61,779	6,588	68,865	98,371	2,239	96,132	73,778	22,354
10	Lower Pánjhra River Works.	916	(c) 4,965	(c) 7,465	1,369	13,799	14,715	.....	14,715	649	14,066
11	Kádwa River Works... ...	4,942	9,576	13,961	1,805	25,342	30,284	16	30,268	972	29,296
12	Pravara River Works—Lákh Canal	42	789	565	299	1,653	1,695	.....	1,695	—2	1,697
13	Mutha Canal and Mátoba Tank	2,14,752	17,773	1,80,619	63,855	2,62,247	4,76,999	7,569	4,69,430	98,821	3,70,609
14	Ekrúk Tank	7,802	13,084	18,835	1,01,579	1,33,498	1,41,300	.....	1,41,300	9,729	1,31,571
15	Krishna Canal	74,206	13,231	21,741	437	35,409	1,09,615	.....	1,09,615	18,423	91,192
	Total, Productive Works ...	3,32,166	59,916	3,04,965	1,75,932	5,40,813	8,72,979	9,824	8,63,155	2,02,370	6,60,785
	Total, Major Works ...	9,65,725	3,85,594	8,61,621	2,03,086	14,50,301	24,16,026	50,495	23,65,531	6,67,831	16,97,700
	43.—Minor Works and Navigation.										
16	Wangroli Tank	2,771	...	2,367	443	2,810	5,581	.....	5,581	2,213	3,368
17	Tranza-Nagrama Tank ...	59	...	...	884	884	943	.....	943	25	918
18	Sávli Tank	1,464	...	5,329	475	5,804	7,268	.....	7,268	5,818	1,450
19	Sahiat do.	1,177	...	563	942	1,505	2,682	.....	2,682	689	1,993
20	Futelao do.	46	...	...	140	140	186	.....	186	1	185
21	Hartála do.	390	354	39	4,906	5,299	5,689	.....	5,689	89	5,600
22	Mhaswa do.	410	875	50	847	1,772	2,182	.....	2,182	...	2,182
23	Jámda Canals	13,705	4,833	2,491	2,601	9,925	23,630	17	23,613	3,076	20,537
24	Parsul Tank	706	209	1,349	114	1,672	2,378	.....	2,378	39	2,339
25	Pravara Left Bank Canal ...	763	119	17,461	1,030	18,610	19,373	.....	19,373	1,886	17,487
26	Bhátodi Tank	2,125	4,358	2,176	915	7,449	9,574	.....	9,574	2,146	7,428
27	Kásurdi do.	...	...	1	216	217	217	.....	217	...	217
28	Shirsuphal do.	...	3,640	2,995	5,747	11,482	11,482	.....	11,482	...	11,482
29	Bhádalvádi do.	1,573	1,648	4,215	170	6,033	7,606	.....	7,606	97	7,509
30	Koregaon do.	642	126	...	96	222	864	.....	864	...	864
31	Ashti do.	468	21,717	16,730	2,889	41,336	41,804	.....	41,804	10,465	31,339
32	Páthri do.	105	4,777	1,357	2,234	8,368	8,473	.....	8,473	64	8,409
33	Revári Canal	21	891	401	68	1,360	1,381	.....	1,381	86	1,295
34	Upper Mán River Works ...	2,415	3,158	1,280	75	4,513	6,928	.....	6,928	44	6,884
35	Yerla River Irrigation Works.	8,243	13,581	699	656	14,886	23,129	.....	23,129	42	23,087
36	Chikhli Canal	653	377	754	43	1,174	1,827	.....	1,827	399	1,428
37	Maini Tank	721	7,076	2,677	274	10,027	10,748	.....	10,748	3,480	7,268
38	Muchkundi Tank	...	...	...	18	18	18	.....	18	...	18
39	Gadikeri do	...	...	...	...	...	...	.....	...	...	...
40	Gokák Canal, First Section, and Storage Works ...	4,185	19,883	28,651	18,417	66,951	71,136	.....	71,136	8,871	62,265
41	Dambal Tank	908	158	926	472	1,556	2,464	.....	2,464	762	1,702
42	Medleri do.	284	43	715	264	1,022	1,306	.....	1,806	287	1,019
43	Madag do.	2,209	836	1,674	266	2,776	4,985	.....	4,985	1,735	3,850
44	Asundi do.	347	99	319	...	418	765	33	732	732	...
45	Mávinkop do.	...	...	...	...	...	...	.....	...	...	...
46	Dharma Canal	4,100	...	4,550	5	4,555	8,655	305	8,350	6,424	1,926
	Total, Minor Works ...	50,490	88,708	98,369	45,207	2,32,784	2,83,274	355	2,82,919	48,870	2,34,049
	Grand Total ...	10,16,215	4,74,302	9,60,490	2,48,293	16,83,085	26,99,300	50,850	26,48,450	7,16,701	19,31,749

(a) Excluding Irrigation share of Land Revenue.
(b) Correct balances as now reported by Revenue Officers in Canal Returns Nos. VI and VII.
(c) Inclusive of assessment as shown in Canal Return No. IX.

J. STUART MILNE,
Accountant General, Bombay.

STATEMENT IV-C.

Statement showing the Financial Results of Irrigation Works in Deccan and Gujarát for the year ended 1919-1920, based on the assessment of the year.

Principal Results and Operations for the year ended 31st March 1920.

	Irrigation Works.	Capital outlay (direct and indirect) to end of year.	Revenue assessed during the year.								Working Expenses, direct and indirect.	Net assessed Revenue of the year.	Percentage on Capital outlay to end of year
			Direct assessed Revenue.						Indirect Revenue (Land Revenue due to operation of Canal).	Grand Total.			
			Occupier's rate.	Owner's rate.	Plantations.	Water-power.	Navigation.	Miscellaneous.	Total.				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	MAJOR WORKS.													
	35.—Protective Irrigation Works.													
1	Pravara River Canal	93,30,981	15,440	...	793	...	...	605	16,838	.....	16,838	40,551	—23,713	(a)
2	Chankápur Tank	19,51,826	18,869	...	...	...	...	322	19,191	.....	19,191	21,944	—2,753	(a)
3	Godávari Canals	1,01,09,705	2,91,766	...	757	...	30	12,190	3,04,743	.....	3,04,743	2,09,246	95,497	0·94
4	Nira Canal and Shetphal Tank ...	65,61,134	5,57,895	...	654	...	...	6,695	5,65,244	.....	5,65,244	1,86,804	3,78,440	5·77
5	Mhasvad Tank	20,96,016	46,627	...	1,084	...	...	4,044	51,735	.....	51,735	11,515	40,220	1·93
	Total, Protective Works ...	3,00,49,662	9,30,597	...	3,288	...	30	23,856	9,57,751	.....	9,57,751	4,70,060	4,87,691	1·62
	49.—Irrigation Productive Works.													
9	Háthmati and Kháricut Canal ...	13,15,973	67,459	...	10	...	...	6,578	74,047	.....	74,047	33,340	40,707	3·09
10	Lower Pánjhra River Works ...	4,68,621	12,224	...	...	...	...	1,369	13,593	3,354	16,947	4,626	12,321	2·63
11	Kádwa River Works	10,34,191	27,641	...	...	...	...	1,805	29,446	594	30,040	76,921	—46,881	(a)
12	Pravara River Works—Lákh Canal .	3,71,891	951	...	38	...	...	261	1,250	225	1,475	2,790	—1,315	(a)
13	Mutha Canals and Mátoba Tank ...	65,34,144	2,23,764	...	2,125	...	2	61,728	2,87,619	54	2,87,673	1,09,371	1,78,302	2·73
14	Ekrúk Tank	13,40,386	33,168	...	902	...	...	1,00,677	1,34,747	.....	1,34,747	16,230	1,18,517	8·84
15	Krishna Canal	9,44,459	33,425	...	...	...	...	437	33,862	.....	33,862	14,846	19,016	2·01
	Total, Productive Works ...	1,20,09,665	3,98,632	...	3,075	...	2	1,72,855	5,74,564	4,227	5,78,791	2,58,124	3,20,667	2·67
	Total, Major Works ...	4,20,59,327	13,29,229	...	6,343	...	32	1,96,711	15,32,315	4,227	15,36,542	7,28,184	8,08,358	1·92
	43.—Minor Works and Navigation.													
16	Wangroli Tank	2,90,930	3,979	...	...	...	...	443	4,422	3,979	8,401	7,151	1,250	0·43
17	Tranza-Nagramma Tanks	2,80,635	...	...	...	...	...	884	884	11	895	2,978	—2,083	(a)
18	Sávli Tank	2,55,210	5,329	...	...	...	...	475	5,804	2	5,806	3,957	1,849	0·72
19	Sahiat do.	1,84,029	2,256	...	...	...	...	942	3,198	1,926	5,124	4,076	1,048	0·57
20	Futelao do.	1,16,461	149	...	...	...	...	140	289	.....	289	807	—518	(a)
21	Hartála do.	73,382	159	...	16	...	...	4,890	5,065	.....	5,065	1,942	3,123	4·26
22	Mhasva do.	1,38,956	337	...	19	...	...	828	1,184	.....	1,184	3,275	—2,091	(a)
23	Jámda Canals	10,41,089	5,601	...	1,492	...	...	1,109	8,202	.....	8,202	13,928	—5,726	(a)
24	Parsul Tank	2,14,995	5,332	...	...	...	...	114	5,446	.....	5,446	1,461	3,985	1·85
25	Pravara Left Bank Canal	3,47,550	25,269	...	58	...	...	972	26,299	76	26,375	13,920	12,455	3·58
26	Bhátodi Tank	3,79,707	5,545	...	...	...	...	915	6,460	3,402	9,862	9,289	573	0·15
27	Kásurdi do.	45,590	44	...	15	...	...	201	260	.....	260	4,865	—4,605	(a)
28	Shirsuphal do.	2,24,568	5,138	...	...	...	...	5,747	10,885	.....	10,885	3,326	7,559	3·37
29	Bhádalvádi do.	2,27,422	7,513	...	...	...	...	170	7,683	.....	7,683	3,720	3,963	1·74
30	Koregaon do.	39,189	841	...	...	...	...	96	937	.....	937	4,314	—3,377	(a)
31	Ashti do.	8,36,091	30,433	...	227	...	...	2,662	33,322	.....	33,322	7,495	25,827	3·09
32	Páthri do.	6,42,846	6,589	...	...	...	...	2,234	8,823	.....	8,823	2,109	6,714	1·04
33	Revári do.	59,811	2,832	...	...	...	...	68	2,900	.....	2,900	1,886	1,014	1·70
34	Upper Mán River Works	4,39,286	5,472	...	...	...	...	75	5,547	.....	5,547	8,917	—3,370	(a)
35	Yerla River Irrigation Works ...	7,64,870	17,279	...	...	...	...	656	17,935	.....	17,935	9,966	7,969	1·04
36	Chikhli Canal	57,442	1,679	...	...	...	...	43	1,722	.....	1,722	457	1,265	2·20
37	Mainí Tank	4,87,650	9,506	...	...	...	...	274	9,780	.....	9,780	6,720	3,060	0·63
38	Muchkundi Tank	1,58,707	...	...	...	...	...	18	18	.....	18	699	—681	(a)
39	Gadikeri do.	16,918	...	...	...	...	...	...	...	2,061	2,061	376	1,685	9·96
40	Gokák Canal, First Section, and Storage Works	13,81,922	39,434	...	...	14,313	...	4,104	57,851	.....	57,851	13,533	44,318	3·21
41	Dambal Tank	63,980	1,131	...	...	...	...	472	1,606	916	2,522	2,779	—257	(a)
42	Modleri do.	81,392	728	...	...	...	...	264	992	.....	992	391	601	0·74
43	Mádag do.	1,67,593	2,345	...	...	...	...	266	2,611	.....	2,611	964	1,647	0·98
44	Asundi do.	74,995	432	...	...	...	...	...	432	687	1,119	323	796	1·06
45	Mávinkop do.	33,504	...	...	...	...	...	...	...	2,288	2,288	472	1,816	5·42
46	Dharma Canal	97,783	4,550	...	...	...	...	5	4,555	—14,522	—9,967	1,362	—11,329	(a)
	Total, Minor Works ...	92,24,513	1,89,905	...	1,827	14,313	...	29,067	2,35,112	826	2,35,938	1,37,458	98,480	1·07
	Grand Total ...	5,12,83,840	15,19,134	...	8,170	14,313	32	2,25,778	17,67,427	5,053	17,72,480	8,65,642	9,06,838	1·77

(a) No percentage is calculated, as the net revenue against the work is a minus figure.

J. STUART MILNE,
Accountant General, Bombay.

STATEMENT

Statement of Area irrigated by Irrigation Works in the

No.	Name of work.	Area irrigated in Acres.							Average Discharges, Cubic Feet per Second.			
							Doublecropped.		At Head.		Utilized.	
		Kharif.	Rabi.	Total.	Flow.	Lift.	Area irrigated.	Percentage of Total Area.	Kharif.	Rabi.	Kharif.	Rabi.
1	2	3	4	5	6	7	8	9	10	11	12	13
	MAJOR WORKS.											
	Protective Works.											
1	Pravara River Works—Pravara Right Bank Canal	3,869	2,266	6,135	6,131	4	811	13·22	44	25	29	19
2	Girna Left Bank Canal ...	(1,107) 1,775	(2,752) 2,067	3,842	3,842	...	303	7·88	31·83	41·44	31·83	41·44
3	Darna Dam—Lake Beale ..	504	143	647	647	...	...	...	...	...	...	...
3	Godavari Right Bank Canal ...	13,616	(12,283) 8,889	22,505	22,491	14	1,819	8·08	92	106	84	96
4	Godavari Left Bank Canal ...	5,721	(6,381) 4,262	9,983	9,975	8	376	3·77	41	53	29	45
4	Nira Canal and	38,952	(51,386) 37,738	76,690	76,281	409	1,017	1·33	256·40	332·63	222·57	328·75
4	Shetphal Tank	3,449	(3,984) 2,838	6,287	6,286	1	3	0·05	16·03	19·88	16·03	19·88
5	Mhasvad Tank	3,237	5,364	8,601	8,330	271		...	22·85	88·65	22·85	88·65
	Total ...	71,123	63,567	134,690	133,983	707	4,329	3·21	...	...	...	...
	Productive Works.											
9	Háthmati Canal and	§§ 520	2,798	3,318	3,299	19	...	...	221	94	34	64
9	Khári Cut Canal	10,672	63	10,735	9,265	1,470	...	...	96	47	96	30
10	Lower Pánjhra River Works.	(c) 1,011 170	(c) 573 648	(c) 1,584 818	818	...	...	...	1·02	1·02	1·02	1·02
11	Kádwa River Works. — Wághad Tank	...	...	...	...	...	...	...	...	...	...	...
11	Kádwa River Works. — Palkhed Canal.	(470) 686	(1,842) 1,385	92,071	1,998	73	50	2·41	11·94	28·24	11·94	28·24
11	Kádwa River Works. — Ojhar-Támbat Canal.	208	(638) 530	738	735	3	22	2·98	1·76	5·49	1·76	5·49
11	Kádwa River Works. — Wadáli Canal	(248) 448	(683) 445	893	893	...	32	3·58	5·06	9·35	5·06	9·35
12	Pravara River Works—Lákh Canal.	399	(295) 201	600	546	54	197	32·83	4	3	4	3
13	Mutha Canals and ...	16,093	(10,129) 4,722	20,815 28†	20,815	...	291	1·40	159·30	158·67	*	...
13	Mátoba Tank	1,657	(2,439) 2,129	3,786	3,786	...	...	...	6·55	9·07	6·55	9·07
14	Ekruk Tank	2,394	1,983	4,377	4,283	94	...	...	14·77	22·64	11·94	19·58
15	Krishna Canal	3,307	2,202	5,509	4,786	723	260	4·71	33·61	68·33	33·61	68·33
	Total ...	36,554	17,106	53,660 28†	51,224	2,436	852	1·58	...	...	...	...
		(c) 1,011	(c) 573	(c) 1,584	...	...	...	...	...	...	...	...
	Total, Major Works ...	107,677	80,673	188,350 28†	185,207	3,143	5,181	2·75	...	...	...	...
		(c) 1,011	(c) 573	(c) 1,584	...	...	...	...	...	...	...	...
	Carried over ...	107,677	80,673	188,350 28†	185,207	3,143	5,181	2·75	...	...	...	...
		(c) 1,011	(c) 573	(c) 1,584	...	...	...	...	...	...	...	...

I-E.

Bombay Presidency, excluding Sind, during the year 1919-1920.

Area irrigated per Cubic Foot per Second.				Base to which the Duties of Water are calculated.		Remarks.
Discharged at Head.		Utilized.				
Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	
14	15	16	17	18	19	20
(*a*) 79·61	(*a*) 90·64	120·79	119·26	16th June to 15th October ...	16th October to 15th February.	*Note*—The antique figures in brackets represent areas actually irrigated during the respective seasons and the duties have been calculated on these figures. They differ from those in Statement IV-E owing to the fact that certain areas irrigated during the rabi season are assessed in kharif papers and *vice versa*. In the rabi season in addition to pure rabi crops perennial and eight months crops are irrigated. To obtain correct duties, therefore, these crops have to be added to the rabi area.
34·78	66·42	34·78	66·42	Do. ...	Do.	
...	...	...	...	16th February to 15th October.	Do.	
148	115·88	162·10	127·95	Do. ...	Do.	
139·54	126·06	197·28	148·47	Do. ...	Do.	(*a*) A low duty owing to sufficient rainfall and hence no demand for canal water.
152	154	175	156	Do. ...	Do.	(*b*) A low duty owing to scattered nature of irrigation.
215	200	215	200	Do. ...	Do.	(*c*) Area under consolidated assessment.
141·66	65·50	141·66	65·50	Do. ...	Do.	* Figures for utilized discharge are not available as the quantity let into Matoba Tank was not measured. Besides water was supplied for drinking purposes to the city and cantonment of Poona.
...	...	...	...			
2·31	29·77	15	43·72			† Area indirectly irrigated by underground percolation from the Mutha Right Bank Canal.
111·17	1·34	111·17§	2·10‡			‡ There was no area to irrigate as kharif crop was late. Water was used in filling up tanks and giving a last watering to kharif.
115·78	224·02	115·78	224·02	15th June to 14th October ...	15th October to 14th February.	
...	...	...	...	16th June to 15th October ...	16th October to 15th February.	§ The duty is great, but the last watering which was given after 15th October is not included in this.
39·28	65·23	39·28	65·23	Do. ...	Do.	§§ This includes 10 acres of hot weather irrigation.
115·34	116·21	115·34	116·21	Do. ...	Do.	
49·01	73·05	49·01	73·05	Do. ...	Do.	
(*b*) 95·75	(*b*) 98·33	(*b*) 95·75	(*b*) 98·33	Do. ...	Do.	
101	64	...*	...	16th February to 15th October.		
253	269	253	269	16th June to 15th October.		
162	163	200	189	15th February to 14th October.	15th October to 14th February.	
112	73	112	73	16th February to 15th October.	16th October to 15th February.	
...	...	...	...			
...	...	...	...			
...	...	...	...			
...	...	...	...			
...	...	...	...			
...	...	...	...			

STATEMENT

No.	Name of work.	Area irrigated in Acres.					Double-croped.		Average Discharges, Cubic Feet per Second.			
									At Head.		Utilized.	
		Kharif.	Rabi.	Total.	Flow.	Lift.	Area irrigated.	Percentage of Total area.	Kharif.	Rabi.	Kharif.	Rabi.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Brought forward ...	107,677	80,673	188.350	185,207	3,143	5,181	2·75	M. c. ft. ...	M. c. ft. ...	M. c. ft. ...	M. c. ft. ...
		(c) 1,011	(c) 573	(c) 1,584	...	...	...	...	...	...	...	...
	Minor Works and Navigation.											
16	Wangroli Tank	593	451	1,044	1,040	4	...	...	20·69	25·05	20·69	25·05
17	Tranza-Nagramma Tanks ...	...	...	...	...	...	...	...	...	...	...	...
18	Savli Tank	1,285	715	2,000	1,999	1	...	...	42·58	22·32	42·58	22·32
19	Sahiat do.	141	519	660	660	...	...	...	7·38	46·46	7·38	46·46
20	Futelao do.	...	49	49	49	...	...	...	...	14·5	...	14·5
21	Hartála do.	6	38	44	44	...	...	...	0·001	0.15	0·001	0·15
22	Mhasva do.	22	90	112	112	...	...	...	0·03	2·16	0·03	2·16
23	Jámda Canals	623	972	1,595	1,595	...	2	12	29·07	57·13	29·07	57·13
24	Parsul Tank ...	(558) 564	(711) 692	1,256	1,256	...	182	14·49	3·02	5·55	3·02	5·55
25	Pravara River Works—Pravara Left Bank Canal.	8,257	2,532	10,789	10,786	3	558	5·17	82	38	46	18
26	Bhâtodi Tank	584	842	1,426	1,413	13	233	16·34	0·74	3·19	0·74	3·19
27	Kásurdi do.	1	21	22	22	...	...	...	...	...	...	...
28	Shirsuphal do.	530	(758) 820	1,350	1,350	...	...	..	2·08†	6·71	2·08	6·71
29	Bhádalvádi do.	878	(838) 774	1,652	1,652	...	...	...	2·41†	4·56	2·41	4·56
30	Koregaon do.	...	166	166	164	2	...	...	...	0·96		0·96
31	Ashti do.	2,046	2,596	4,642	4,623	19	...	...	6·45	17·39	6·45	17·39
32	Pathri do.	300	852	1,152	1,095	57	...	....	0·62	5·54	0·62	5·54
33	Revári Canal	113	574	687	686	1	101	14·70	2·48	3·65	2·48	3·65
34	Upper Mán River Works ...	588	945	1,533	1,529	4	60	3·91	2·55	8·42	2·55	8·42
35	Yerla River Irrigation Works.	209	4,024	4,233	4,198	35	125	2·95	3·23	32·10	3·19	31·65
36	Chikhli Canal	320	109	429	421	8	36	8·39	3·13	3·56	3·13	3·56
37	Maini Tank	1,153	1,474	2,627	2,591	36	198	7·53	5·44	7·28	5·44	7·28
38	Muchkundi do.	...	...	...	...	...	...	...	...	...	...	...
39	Gadikeri do.	(c) 377	...	(c) 377	...	...	...	...	...	...	...	...
40	Gokák Canal, 1st Section and Storage Works.	6,391	2,157	8,548	8,205	343	...	...	31·50	42·12	31·50	42·12
41	Dambal Tank ...	257 (c) 229	76	333 (c)229	333	...	...	...	3·41	0·54	3·41	0·54
42	Medleri do.	102	2	104	102	2	...	...	2·88	4·87	2·88	4·87
43	Madag do.	473	140	613	613	...	...	...	11·04	9·28	11·04	9·28
44	Asundi do.	62	15 (c)190	77 (c) 190	71	6	...	...	3·54	3·44	3 54	3·44
45	Mávinkop do.	(c) 81	...	(c) 81	...	...	...	...	0·13	...	0·13	...
46	Dharma Canal ...	804 (c) 2,747	... (c) 783	804 (c) 3,530	804	...	...	...	28·58	13·12	21·58	13·12
	Total, Minor Works ...	26,302 (c) 3,434	21,645 (c) 973	47,947 (c) 4,407	47,413 ...	534 ...	1,495 ...	3·12 ...	... ...	... ...	... ...	... ...
	Grand Total ...	133,979 (c) 4,445	102,318 (c) 1,546	236,297 28* (c) 5,991	232,620 ...	3,677 ...	6,676 ...	2·82 ...	... ...	... ...	... ...	... ...

I-E—*concluded.*

Area irrigated per Cubic Foot per Second.				Base to which the Duties of Water are calculated.		Remarks
Discharged at Head.		Utilized.				
Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	
14	15	16	17	18	19	20
Per m. c. ft.	Per m. c.ft.	Per m. c. ft.	Per m. c.ft.			
...	...	...	...			
...	...	...	...			* Area indirectly irrigated by underground percolation from the Mutha Right Bank Canal.
28·66	18·00	28·66	18·00			*Note.*—The antique figures in brackets represent areas actually irrigated during the respective seasons and the duties have been calculated on these figures. They differ from those in Statement IV-E owing to the fact that certain areas irrigated during the rabi season are assessed in kharif papers and *vice versa*. In the rabi season in addition to pure rabi crops perennial and eight months crops are irrigated. To obtain correct duties, therefore, these crops have to be added to the rabi area.
...	...	...	...			
30·18	32·03	30·18	32·03			
19·11	11·17	19·11	11·17			
...	3·38	...	3·38			
6000	300	6000	300	15th February to 14th October.	15th October to 14th February.	
733	44·4	733	44·4	Do. ...	Do.	(*a*) A low duty owing to sufficient rainfall and hence no demand for canal water.
21·43	11·75	21·43	11·75	Do. ...	Do.	
184·77	128·11	184·77	128·11	16th June to 15th October ...	16th October to 15th February.	(*c*) Area under consolidated assessment.
(*a*) 94·27	(*a*) 66·63	152·83	140·67	Do. ...	Do.	† The discharge from the tanks in the hot weather being uncertain has not been accounted for as it is generally very small and if it were included the duties would have to be calculated on an eight months basis which would give generally vitiated results. Even during the monsoon and rabi seasons there is no discharge from these tanks for days together.
785	264	785	264	Do. ...	Do.	
...	...	...	...	Do. ...	Do.	
255	113	255	113	Do. ...	Do.	
364	184	364	184	Do. ...	Do.	*Notes.*—(1) As perennial and eight months crops are irrigated during the rabi season, in order to obtain the figures of duty for the rabi season in columns 15 and 17 the areas of perennial and 8 month's crops given in statement G irrigated in the rabi season are added to areas of rabi in column 4 and the total so obtained is divided by figures of rabi discharges in columns 11 and 13. The figures in columns 15 and 17 thus represent areas actually irrigated per cusec.
...	173	...	173	15th February to 14th October.	15th October to 14th February.	
317	251	317	251	Do. ...	Do.	
484	175	484	175	Do. ...	Do.	
46	157	46	157	16th February to 15th October.	16th October to 15th February.	
230	112	230	112	Do. ...	Do.	
65	125	65	125	Do. ...	Do.	
109	66	109	66	Do. ...	Do.	
212	203	212	203	Do. ...	Do.	
...	...	...	...	...	...	
...	...	...	...			
198·10	79·52	198	79·52	15th February to 14th October.	15th October to 14th February.	
118	128	118	128	16th January to 15th October.	16th October to 15th January.	
35	8	35	8	Do. ...	Do.	
42	15	42	15	Do. ...	Do.	
17	71	17	71	Do. ...	Do.	
623	...	623	...	Do. ...	Do.	
124	59	124	59	Do. ...	Do.	
...	...	...	...			
...	...	...	...			
...	...	...	...			
...	...	...	...			

STATEMENT

Statement showing incidence of Working Expenses and Assessed Water Revenue

No.	Name of Work.	Average Discharge of the year at Canal Head in cubic feet per second.	Water-rate Assessed.					Gross assessed Revenue from all sources.	Working Expenses, Direct and Indirect.
			Occupier's.	Owner's.	Total Direct.	Indirect.	Total, Direct and Indirect.		
	MAJOR WORKS.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Protective Works.								
1	Pravara River Works—Pravara Right Bank Canal	52	15,440	...	15,440	...	15,440	16,838	40,551
2	Chankápur Tank—Girna Left Bank Canal	36·85	18,869	...	18,869	...	18,869	19,191	21,944
3	Lake Beale—Darna Dam ...	.....	1,777	...	1,777	...	1,777	3,04,743	2,09,246
	Godávari Right Bank Canal ...	193	1,82,837	...	1,82,837	...	1,82,837		
	Do. Left Bank Canal ...	90	2,060 (a)	...	2,060 (a)	...	2,060 (a)		
		282	1,05,092	...	1,05,092	...	1,05,092		
4	Nira Canal and	17·33	5,57,895	...	5,57,895	...	5,57,895	5,65,244	1,86,804
	Shetphal Tank	299·33							
5	Mhasvad Tank	45·01	46,627	...	46,627	...	46,627	51,735	11,515
	Total ...	.....	9,30,597	...	9,30,597	...	9,30,597	9,57,751	4,70,060
	Productive Works.								
9	Háthmati Canal and	319	67,459	...	67,459	...	67,459	74,047	33,340
	Khári Cut Canal	145							
10	Lower Pánjhra River Works ...	1·37	12,224	...	12,224	3,354	15,578	16,947	4,626
11	Kádva River Works. Wághad Tank ...	.....	...	...	...	...	...	401	76,921
	Pátkhed Canal ...	17·45	14,576	...	14,576	594	15,170	16,267	
	Ojhar-Támbat Canal	3·25	5,432	...	5,432	...	5,432	5,475	
	Wadáli Canal ...	7·84	7,633	...	7,633	...	7,633	7,897	
12	Pravara River Works—Lákh Canal	7	951	...	951	225	1,176	1,475	2,790
13	Mutha Canals and	159	2,23,764	...	2,23,764	54	2,23,818	2,87,673	1,09,371
	Mátoba Tank	7·81							
		166·81							
14	Ekrúk Tank	17·42	33,168	...	33,168	...	33,168	1,34,747	16,230
15	Krishna Canal	45·96	33,425	...	33,425	...	33,425	33,862	14,846
	Total ...	.....	3,98,632	...	3,98,632	4,227	4,02,859	5,78,791	2,58,124
	Total, Major Works ...	.....	13,29,229	...	13,29,229	4,227	13,33,456	15,36,542	7,28,184
	MINOR WORKS AND NAVIGATION.								
16	Wangroli Tank	M. Cf. 45·74	3,979	...	3,979	3,979	7,958	8,401	7,151
17	Tranza-Nagramma Tanks ...	.....	...	...	...	11	11	895	2,978
18	Sávli Tank	M. Cf. 64·90	5,329	...	5,329	2	5,331	5,806	3,957
19	Sahiat do.	M. Cf. 53·84	2,256	...	2,256	1,926	4,182	5,124	4,076
20	Futelao do.	M. Cf. 14·5	749	...	149	...	149	289	807
21	Hartála do.	0·05	159	...	159	...	159	5,065	1,942
22	Mhasva do.	0·73	337	...	337	...	337	1,184	3,275
23	Jámda Canals	38·55	5,601	...	5,601	...	5,601	8,202	13,928
24	Parsul Tank	3·06	5,332	...	5,332	...	5,332	5,446	1,461
25	Pravara River Works—Pravara Left Bank Canal	123	25,269	...	25,269	76	25,345	26,375	13,920
26	Bhátodi Tank	1·12	5,545	...	5,545	3,402	8,947	9,862	9,289
27	Kásurdi do.	.....	44	...	44	...	44	260	4,865
28	Shirsuphal do.	4·40	5,138	...	5,138	...	5,138	10,885	3,326
29	Bhádalvádi do.	3·49	7,513	...	7,513	...	7,513	7,683	3,720
30	Koregaon do.	0·32	841	...	841	...	841	937	4,314
31	Ashti do.	10·10	30,433	...	30,433	...	30,433	33,322	7,495
32	Páthri do.	2·28	6,589	...	6,589	...	6,589	8,823	2,109
33	Revári Canal	2·86	2,832	...	2,832	...	2,832	2,900	1,886
34	Upper Mán River Works ...	4·85	5,472	...	5,472	...	5,472	5,547	8,917
35	Yerla River Irrigation Works ..	14·27	17,279	...	17,279	...	17,279	17,935	9,966
36	Chikhli Canal	3·24	1,679	...	1,679	...	1,679	1,722	457
37	Maini Tank	7·27	9,506	...	9,506	...	9,506	9,780	6,720
38	Muchkundi do.	.....	...	...	...	...	...	18	699
39	Gadikeri do.	.....	...	...	...	2,061	2,061	2,061	376
40	Gokák Canal, 1st Section, and Storage Works	35·08	39,434	...	39,434	...	39,434	57,851	13,533
41	Dámbal Tank	2·70	1,134	...	1,134	916	2,050	2,522	2,779
42	Medleri do.	3·39	728	...	728	...	728	992	391
43	Asundi do.	3·52	432	...	432	687	1,119	1,119	323
44	Madag do.	10·60	2,345	...	2,345	...	2,345	2,611	964
45	Mávinkop do.	0·99	...	...	...	2,288	2,288	2,288	472
46	Dharma Canal	24·68	4,550	...	4,550	—14,522	—9,972	—9,967	1,362
	Total, Minor Works ...	.....	1,89,905	...	1,89,905	826	1,90,731	2,35,938	1,37,458
	GRAND TOTAL ...	...	15,19,134	...	15,19,134	5,053	15,24,187	17,72,480	8,65,642

II-E.

on Canals in the Bombay Presidency, excluding Sind, during the year 1919-1920.

Area irrigated during the year.	Working Expenses.			Occupier's Rate.		Total Water-rate, Direct and Indirect.		Remarks.
	Per cent. on Gross Revenue.	Per Acre irrigated.	Per cubic foot per second of Discharge at Canal Head.	Per Acre irrigated.	Per cubic foot per second of Discharge at Canal Head.	Per Acre irrigated.	Per cubic foot per second of Discharge at Canal Head.	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
6,135	240·83	6·61	779·83	2·52	296·92	2·52	296·92	
3,842	114·35	5·45	595·50	4·91	512·05	4·91	512·05	
647	68·66	6·31	739·38	2·75	*947·34	2·75	*947·34	*The high rates are due to high proportion of sugarcane, which is high rated crop on the Godavari, Nira and Mutha Canals.
22,505				8·04	*1,167·69	8·04	*1,167·69	
9,983				10·53		10·53		
82,977	33·04	2·25	624·07	6·72	*1864	6·72	*1864	
8,601	22·26	1·34	255·83	5·42	10·36	5·42	10·36	(a) Water rates assessed and realised by the Executive Engineer.
134,690	49·08	3·49	.....	6·91	.....	6·91	...	
3,318	45·03	2·37	71·85	4·80	145·39	4·80	145·39	
10,735								
818	27·30	1·93	3449	5·09	892	6·48	1137	† Area under consolidated assessment.
† 1,584								
...	256·06	20·78	2,695·20	...	.....	...	.....	
2,071				7·04	835·30	7·32	869·34	
738				7·36	1,671·32	7·36	1,671·32	
893				8·55	973·47	8·55	973·47	‡ Includes the area of 28 acres indirectly irrigated by underground percolation and the revenue of Rs. 54 realized therefrom.
600	189·28	4·65	398·57	1·58	135·86	1·96	168	
‡24,629	38·02	4·44	655·66	9·09	*1,341·43	9·09	*1,341·75	
4,377	12·04	3·71	932	7·57	1904	7·57	1904	
5,509	43·84	2·69	323 02	6·07	727·26	6·07	727·26	
53,688	44·60	4·67	.....	7·21	.....	7·29	...	
† 1,584								
188,378	47·39	3·83	.....	7·00	.....	7·00	...	
† 1,584								
1,044	85·12	6·85	156·34	3·81	87·01	7·62	173·98	
...	332·74	...	.....	...	.....	...	.....	
2,000	68·15	1·98	60·97	2·66	82·11	2·66	82·14	
660	79·55	6·18	75·70	3·42	41·92	6·34	77·67	
49	279·24	16·47	55·65	3·04	10·28	3·04	10·28	
44	38·33	44·14	38840	3·61	3180	3·61	3180	
112	278·29	29·24	4,486	3·01	462	3·01	462	
1,595	169·79	8·73	360	3·51	145	3·51	145	
1,256	26·83	1·16	47·94	4·24	1,742·16	4·24	1,742·16	This tank was dry for 2 months (April and May, and hence low discharges.
10,789	52·28	1·29	113·17	2·34	205·44	2·35	206·05	
1,426	94·19	6·51	8294	3·89	4950	6·50	7988	
22	1,871·15	221·14	....	2	.....	2	...	These tanks are worked only during the monsoon and rabi seasons. Hence the discharge given is for the 8 months and not for 12 months. The discharge from these tanks in the hot weather being uncertain is not accounted for.
1,350	30·54	2·46	755·91	3·81	1168	3·81	1168	
1,652	48·42	2·25	1,065·90	4·55	153	4·55	2153	
166	460	25·99	13481	5·07	2628	5·07	2628	
4,642	22·49	1·61	742	6·55	3013	6·55	3013	
1,152	23·90	1·83	925	5·72	2889	5·72	2889	
687	64·11	2·75	659·44	4·17	1,002·80	4·17	1,002·80	
1,533	160·75	5·82	1,838·56	3·57	1,128·25	3·57	1,128·25	
4,233	55·05	2·35	698·39	4·08	1,211·49	4·08	1,211·49	
429	26·52	1·07	141·05	3·92	518·52	3·92	518·52	
2,627	68·50	2·55	924·35	3·61	1,307·57	3·62	1,307·57	
...	...	...	...	...	...	...	...	
377†	13·39	·99	...	...	...	5·47	...	
8,548	23·39	1·58	385·76	4·61	1,124·11	4·61	1,124·11	
333	110·19	4·44	1,029·26	3·41	420·00	4·03	759·26	
229†								
104	39·46	3·76	115·34	6·99	214·45	6·99	214·45	
77	28·86	1·21	91·76	5·61	122·78	4·19	317·90	
190†								
613	36·92	1·57	90·94	3·83	221·23	3·83	221·23	
81†	20·67	5·84	477·78	...	...	28·25	2,311·11	
804	—13·67	·31	55·19	5·66	184·48	—2·32	403·93	
3,530†								
47,947	58·26	2·63	.....	3·63	...	3·63	...	
†4,407								
2,36,325	48·84	3·57	.....	6·27	...	6·29	...	
†5,991								

STATEMENT

Statement of Quantity and Value of Crops irrigated in the Bombay

	(1) Pravara River Works—Pravara R. B. Canal.		(2) Chanka'pur Tank—Girna L. B. Canal.		(3A) Darna Dam—Lake Beale.		(3B) Goda'vari Right Bank Canal.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	52	1,584	1	23	...	...	53	1,015
Gardens and Orchards. — Fruits and other trees	133	14,174	38	2,011	...	...	128	17,601
Sugarcane	254	85,590	34	6,720	...	...	2,207	14,16,840
Cereals — Wheat	898	17,837	1,795	52,656	...	...	5,398	2,98,708
Cereals — Barley	...	...	...	...	...	...	...	...
Cereals — Rice	3	58	21	902	...	...	119	1,789
Cereals — Maize	74	2,557	85	2,268	...	...	211	3,790
Cereals — Jowár	597	13,327	5	90	...	...	123	2,450
Cereals — Chino, Rági, Rála, Wara	...	...	...	...	...	...	2	17
Cereals — Bájri	2,617	85,133	281	18,028	...	...	7,187	1,50,270
Cereals — Miscellaneous	...	...	...	...	...	...	...	...
Pulses — Gram, Udid, Mug	442	7,769	677	29,523	...	...	2,671	1,11,239
Pulses — Tur	1	23	...	...	...	...	14	317
Pulses — Peas	...	...	...	...	...	...	1	8
Pulses — Groundnut	76	2,215	72	6,515	...	...	476	23,104
Pulses — Miscellaneous	...	...	...	...	...	...	...	...
Fodder Crops — Fodder	314	4,165	668	14,254	...	...	137	3,137
Fodder Crops — Lucerne, etc.	201	33,225	12	302	...	...	301	40,846
Fibres — Cotton	270	24,508	5	370	...	...	189	18,838
Fibres — Tág (Hemp)	5	61	...	...	...	...	76	2,265
Dyes	...	...	...	...	...	...	...	...
Drugs and Narcotics — Tobacco	2	368	...	...	...	...	2	132
Drugs and Narcotics — Bháng	...	...	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	...	...	2	60	...	...	5	225
Oil-seeds — Linseed, Castor-oil	11	367	...	...	...	...	1	30
Condiments — Chilly and Onions	30	1,173	10	745	...	...	98	6,505
Condiments — Garlic, Turmeric and Methi.	155	5,656	23	834	...	...	65	3,725
Miscellaneous	...	...	...	...	...	...	...	...
Land insufficiently irrigated	...	...	113	...	647*	...	3,041	...
Land assessed but not irrigated	...	...	...	...	...	...	...	...
Total	6,135	2,99,790	3,842	1,35,301	647	...	22,505	21,02,905
Area on which consolidated assessment is levied	...	...	...	...	...	...	...	...

* This represents the area in the basin of Lake Beale given out for cultivation.

III-E.

Presidency, excluding Sind, during the year 1919-1920.

(3c) Goda'vari Left Bank Canal.		(4) Nira Canal, including Shetphal Tank.		(5) Mhaswad Tank.		(9) Hathmati Canal and Khari Cut.		(10) Lower Pánjhra River Works.		(11) Kádva River Works. Pálkhed Canal.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
42	1,133	33	16,500	45	3,200	...	...	...	...	37	2,938
24	10,748	200	1,00,000	52	3,010	...	...	40	2,441	44	6,797
1,557	9,79,832	7,851	78,51,000	24	13,400	28	1,400	1	110	142	64,870
2,172	1,03,863	445	44,500	404	86,301	246	12,300	438	8,146	591	37,833
...	...	...	...	30	2,386	102	3,060	...	...	...	...
64	963	5,243	3,14,550	213	71,526	11,110	6,66,600	...	...	38	5,369
74	1,541	...	...	323	21,168	1	40	...	...	10	407
42	796	42,482	42,48,200	4,451	10,30,770	24	960	...	...	10	631
2	9	...	...	35	1,338	...	...	...	...	...	...
2,100	42,149	15,727	9,43,650	729	1,60,620	...	...	1	15	...	...
...	...	...	...	...	...	3	60	...	...	...	...
560	22,599	590	41,300	349	42,995	2,250	67,500	11	203	180	10,466
6	146	161	16,100	9	1,264	...	...	...	...	...	...
...	...	...	...	...	...	...	...	146	1,004	...	...
320	16,775	6,180	7,72,500	1,344	2,21,590	...	...	142	9,424	521	73,888
...	...	...	...	...	...	...	...	1	3	...	...
42	787	112	5,600	23	11,300	...	...	...	...	216	14,306
276	5,963	35	7,000	...	...	...	...	...	...	23	3,851
23	2,340	310	31,000	434	78,860	24	1,440	...	...	...	...
62	1,861	...	...	...	...	...	...	...	...	2	224
...	...	...	...	...	...	...	...	...	...	...	...
7	3,156	23	2,300	7	530	1	80	...	...	3	534
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	11	575	...	...	...	...	...	...
...	...	...	...	...	...	121	4,840	...	...	1	42
66	3,753	1,366	2,04,900	56	6,319	2	100	...	...	177	18,805
112	5,060	....	...	1	25	70	3,500	38	170	76	7,512
...	...	...	...	61	2,410	71†	...	...	...	...	...
2,432	...	...	...	...	...	...	...	...	...	...	...
...	...	2,219	...	...	...	...	...	...	...	...	...
9,983	12,03,474	82,977	1,45,99,100	8,601	17,59,587	14,053	7,61,880	818	21,516	2,071	2,48,473
...	...	...	...	...	...	...	...	1,584	...	...	...

† Water was given for ploughing purposes.

STATEMENT

	(11) Ka'dva River Works—concluded.						(12) Pravara River Works—La'kh Canal.	
	Ojhár-Támbat Canal.		Wadáli Canal.		Wághad Tank.			
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	23	1,475	15	539	...	...	6	338
Gardens and Orchards. — Fruits and other trees	4	508	16	1,561	...	...	19	9,381
Sugarcane	54	26,987	109	43,460	...	...	2	500
Cereals — Wheat	234	12,847	153	5,264	...	...	84	6,948
Cereals — Barley	...	...	...	...	...	...	...	...
Cereals — Rice	...	...	4	225	...	...	...	...
Cereals — Maize	...	...	14	564	...	...	18	590
Cereals — Jowár	1	26	1	27	...	...	10	478
Cereals — Chino, Rági, Rála, Wara	...	...	...	...	...	...	...	...
Cereals — Bájri	...	...	...	...	...	...	262	4,210
Cereals — Miscellaneous	...	...	...	...	...	...	...	...
Pulses — Gram, Udid, Mug	38	1,908	25	1,002	...	...	96	4,175
Pulses — Tur	...	...	...	...	...	...	...	...
Pulses — Peas	...	...	1	23	...	...	...	...
Pulses — Groundnut	110	16,526	200	25,044	...	...	24	1,208
Pulses — Miscellaneous	...	...	...	...	...	...	...	...
Fodder Crops — Fodder	97	4,871	200	7,905	...	...	10	143
Fodder Crops — Lucerne, etc.	23	4,630	5	250	...	...	42	5,996
Fibres — Cotton	...	...	...	...	...	...	6	285
Fibres — Tág (Hemp)	...	...	...	...	...	...	...	...
Dyes	...	...	...	...	...	...	...	...
Drugs and Narcotics — Tobacco	...	...	1	36	...	...	12	576
Drugs and Narcotics — Bháng	...	...	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	...	...	...	...	...	...	...	...
Oil-seeds — Linseed, Castor-oil	...	...	...	...	...	...	2	30
Condiments — Chilly and Onions	132	10,796	86	8,223	...	...	7	942
Condiments — Garlic, Turmeric and Methi.	22	1,711	56	3,915	...	...	...	...
Miscellaneous	...	...	...	...	...	...	...	...
Land insufficiently irrigated	...	...	7	...	...	...	...	...
Land assessed but not irrigated	...	...	...	...	...	...	...	...
Total	738	82,345	893	98,038	...	...	600	35,800
Area on which consolidated assessment is levied	...	...	...	...	...	...	...	...

III-E—*continued.*

(13) Mutha Canals, including Ma'toba Tank.		(14) Ekruk Tank.		(15) Krishna Canal.		(16) Wa'ngholi Tank.		(17) Tra'nza-Naga'mma Tanks.		(18) Savli Tank.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
937	3,72,400	41	2,050	...	...	...	...	...	...	...	...
963	1,54,150	51	15,600	176	35,200	...	...	...	...	...	...
2,872	33,29,400	168	4,64,000	470	5,62,887	...	...	...	...	...	...
1,144	1,39,370	254	56,075	954	1,43,100	44	2,200	...	...	83	4,980
...	...	18	1,250	550	55,000	9	450	...	...	...	...
1,953	1,06,072	410	90,000	1,028	1,54,200	586	29,300	...	...	1,268	63,400
...	...	28	3,000	38	3,800	1	30	...	...	...	...
3,714	1,92,675	1,495	1,49,500	393	78,600	...	...	...	...	...	...
...	...	...	...	1	100	...	...	...	...	...	...
5,860	3,18,218	19	1,250	...	...	...	...	...	...	...	...
...	...	8	120	68	10,200	...	...	...	...	...	...
391	22,710	122	20,655	314	22,120	361	14,440	...	...	636	25,440
13	1,300	19	618	...	...	1	40	...	...	...	...
3	150	...	...	...	...	...	...	...	...	...	...
295	80,250	599	1,80,000	121	24,200	...	...	...	...	...	...
17	1,100	5	150	210	31,500	...	...	...	...	...	...
1,754	1,73,825	617	6,426	184	36,800	2	100	...	...	1	50
338	1,31,000	...	...	...	...	...	...	...	...	...	...
69	3,540	378	61,425	43	8,600	8	560	...	...	12	840
62	3,100	...	...	21	2,100	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
32	2,900	4	7,000	41	10,250	5	750	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
...	...	36	2,500	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
411	1,05,700	46	3,850	223	66,900	7	700	...	...	...	...
...	...	24	31,800	674	3,37,000	19	1,900	...	...	...	...
3,356 28*	83,900 ...	15	225	...	...	1	100	...	...	...	...
...	...	20	...	...	...	...	...	...	...	...	...
417	...	...	...	...	...	...	...	...	...	...	...
24,629	52,21,760	4,377	10,97,494	5,509	15,82,557	1,044	50,570	...	...	2,000	94,710
...	...	...	...	...	...	...	...	...	...	...	...

* An area of 28 acres is indirectly irrigated by underground percolation from the Mutha Right Bank Canal. The areas were not measured distinctly for each crop and hence their valuation cannot be given.

STATEMENT

	(19) Sahiat Tank.		(20) Futelao Tank.		(21) Hartála tank.		(22) Mhasva Tank.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	...	...	...	...	1	250	2	1,187
Gardens and Orchards. — Fruits and other trees	...	...	...	...	...	...	...	...
Sugarcane	...	...	...	...	1	500	...	...
Cereals — Wheat	254	15,240	38	3,800	36	1,276	99	4,878
Cereals — Barley	...	...	...	...	...	...	...	...
Cereals — Rice	139	6,950	...	...	...	...	...	...
Cereals — Maize	...	...	...	...	...	...	...	...
Cereals — Jowár	...	...	...	...	...	...	...	...
Cereals — Chino, Rági, Rála, Wara	...	...	...	...	...	...	...	...
Cereals — Bájri	...	...	...	...	...	...	...	...
Cereals — Miscellaneous	...	...	...	...	...	...	...	...
Pulses — Gram, Udid, Mug	254	10,160	11	575	...	...	7	245
Pulses — Tur	1	40	...	...	...	...	...	...
Pulses — Peas	...	...	...	...	...	...	...	...
Pulses — Groundnut	...	...	...	...	...	...	4	300
Pulses — Miscellaneous	...	...	...	...	...	...	...	...
Fodder Crops — Fodder	...	...	...	...	...	...	...	...
Fodder Crops — Lucerne, etc.	...	...	...	...	...	...	...	...
Fibres — Cotton	10	700	...	...	...	...	...	...
Fibres — Tág (Hemp)	...	...	...	...	...	...	...	...
Dyes	...	...	...	...	...	...	...	...
Drugs and Narcotics. — Tobacco	1	150	...	...	...	...	...	...
Drugs and Narcotics. — Bháng	...	...	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	1	100	...	...	...	...	...	...
Oil-seeds — Linseed, Castor-oil	...	...	...	...	...	...	...	...
Condiments — Chilly and Onions	...	...	...	...	5	215	...	...
Condiments — Garlic, Turmeric and Methi	...	...	...	...	1	32	...	...
Miscellaneous	...	...	...	...	...	...	...	...
Land insufficiently irrigated	...	...	...	...	...	...	...	...
Land assessed but not irrigated	...	...	...	...	...	...	...	...
Total	660	33,340	49	4,375	44	2,273	112	6,610
Area on which consolidated assessment is levied	...	...	...	...	...	...	...	...

III-E—*continued.*

(23) Ja'nda Canals.		(24) Parsul Tank.		(25) Pravara River Works—Pravara L. B. Canal.		(26) Bha'todi Tank.		(27) Kásurdi Tank.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
205	40,502	1	52	89	2,180	...	...	...	...
...	...	12	1,123	277	32,270	...	...	...	...
44	8,420	1	322	115	48,985	...	...	...	...
681	78,663	280	14,576	914	12,624	50	2,483	...	...
...	...	...	...	...	...	...	...	...	...
6	812	...	...	3	84	6	310	...	...
7	165	7	157	254	8,273	3	71	...	...
15	1,745	...	...	471	7,086	538	21,514	...	...
...	...	...	...	...	...	3	82	...	...
...	...	451	16,219	5,647	90,117	346	17,281	...	...
440	...*	...	...	...	...	32	2,578	...	...
57	5,446	347	16,284	583	7,936	202	5,106	...	...
...	...	...	...	...	...	...	...	...	...
4	64	...	...	...	...	...	...	...	...
3	145	2	350	40	2,185	149	7,440	...	...
...	...	...	...	...	...	...	...	...	...
34	1,424	6	95	436	14,156	...	...	...	...
4	175	...	...	391	74,444	3	60	...	...
4	1,368	82	5,175	817	55,122	...	...	...	...
...	...	...	...	2	23	...	...	...	...
...	...	...	...	...	...	...	...	...	...
1	33	...	...	17	787	12	996	...	...
...	...	...	...	...	...	41	4,112	...	...
...	...	3	112	...	...	...	...	...	...
...	...	...	...	7	188	...	...	...	...
83	10,681	3	188	57	2,247	29	2,346	...	...
...	...	59	758	109	4,260	...	...	...	...
7	149	...	...	...	...	12	1,215	22	1,360
...	...	2	...	560	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
1,595	1,49,793	1,256	55,411	10,789	3,62,967	1,426	65,594	22	1,360
...	...	...	...	...	...	...	...	...	...

* No value is given as 440 acres were charged with water rate under the term of the 8 months rabi leases without any crops having been grown thereon.

STATEMENT

	(28) Shirsuphal Tank.		(29) Bhádalvádi Tank.		(30) Koregaon Tank.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	...	...	...	...	...	...
Gardens and Orchards. — Fruits and other trees	3	600	2	400	...	...
Sugarcane	19	8,550	18	8,100	...	...
Cereals — Wheat	37	5,550	21	3,150	...	...
Cereals — Barley	...	...	...	...	...	...
Cereals — Rice	146	14,550	200	20,000	...	...
Cereals — Maize	...	...	...	...	...	...
Cereals — Jowár	629	62,900	690	69,000	159	6,360
Cereals — Chino, Rági, Rála, Wara	...	...	...	...	...	...
Cereals — Bájri	436	43,650	600	60,000	...	...
Cereals — Miscellaneous	...	...	...	...	...	...
Pulses — Gram, Udid, Mug	19	1,900	42	4,200	...	...
Pulses — Tur	...	...	...	...	...	...
Pulses — Peas	...	...	...	...	...	...
Pulses — Groundnut	6	900	30	4,500	7	350
Pulses — Miscellaneous	...	...	...	...	...	...
Fodder Crops — Fodder	...	...	...	...	...	...
Fodder Crops — Lucerne, etc.	...	...	...	...	...	...
Fibres — Cotton	9	1,800	2	400	...	...
Fibres — Tág (Hemp)	...	...	...	...	...	...
Dyes	...	...	...	...	...	...
Drugs and Narcotics — Tobacco	2	200	...	...	...	...
Drugs and Narcotics — Bháng	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	...	...	...	...	...	...
Oil-seeds — Linseed, Castor-oil	...	...	...	...	...	...
Condiments — Chilly and Onions	10	3,000	...	...	...	...
Condiments — Garlic, Turmeric and Methi	...	...	...	...	...	...
Miscellaneous	34	950	47	1,575	...	...
Land insufficiently irrigated	...	...	...	...	...	...
Land assessed but not irrigated	...	...	...	...	...	...
Total	1,350	1,41,550	1,652	1,71,325	166	6,710
Area on which consolidated assessment is levied	...	...	...	...	...	...

III-E—*continued.*

(31) Ashti Tank.		(32) Pa'thri Tank.		(33) Revári Canal.		(34) Upper Mán River Works.		(35) Yerla River Irrigation Works.		(36) Chikhli Canal.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
...	...	...	...	...	...	...	...	...	...	...	...
50	15,395	1	300	11	1,590	2	1,000	53	12,200	1	200
160	97,998	3	600	1	150	13	5,200	15	9,000	21	21,264
221	15,755	41	724	155	15,000	110	7,040	492	47,712	40	6,000
...	...	...	...	...	...	25	1,200	3	120	198	19,800
338	47,042	27	405	79	4,619	38	3,910	39	1,976	8	1,200
122	6,553	1	50	...	...	...	...	55	1,956	3	300
2,106	2,52,337	710	21,330	340	28,010	570	36,480	2,285	2,39,925	3	600
2	38	20	469	...	...	...	...	...	...	8	800
45	2,871	...	...	...	...	437	27,968	12	468	2	160
...	...	...	...	...	...	...	...	...	...	3	1,200
229	27,646	73	706	25	2,225	214	13,760	1,018	86,530	27	2,700
16	...*	2	20	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	3	168	...	...
489	63,482	215	10,150	23	1,740	28	2,320	86	10,320	5	1,000
...	...	...	...	8	230	33	1,620	3	210	16	1,650
63	6,332	...	...	...	...	28	1,152	...	...	4	800
...	...	...	...	...	...	...	...	...	...	...	...
677	1,47,874	32	1,120	...	...	...	...	...	...	2	400
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
9	537	2	200	...	...	2	120	8	800	...	...
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
79	12,121	10	280	21	1,210	27	1,550	149	10,600	54	16,200
6	1,732	15	2,250	24	2,910	1	100	3	600	34	17,000
...	...	...	...	...	...	5	...	9	...	...	...
30	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
4,642	6,97,713	1,152	38,604	687	57,684	1,533	1,03,420	4,238	4,22,585	429	91,274
...	...	...	...	...	...	...	...	...	...	...	...

* No value is given as the whole crop was blighted.

STATEMENT

	(37) Mainí Tank.		(38) Muchkundi Tank.		(39) Gadikeri Tank.		(40) Gokák Canal, 1st Section, and Storage Works.		(41) Dambal Tank.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	...	...	...	...	...	...	84	3,150	5	24
Gardens and Orchards. — Fruits and other trees	22	4,600	...	...	...	...	49	3,675	3	33
Sugarcane	43	55,900	...	...	...	...	172	61,920	...	...
Cereals — Wheat	101	10,395	...	...	...	...	...	...	...	...
Cereals — Barley	...	...	...	...	...	...	244	6,100	...	...
Cereals — Rice	10	520	...	...	...	...	228	5,244	...	...
Cereals — Maize	13	416	...	...	...	...	2,898	66,654	...	...
Cereals — Jowár	961	99,035	...	...	...	...	2,164	56,264	167	642
Cereals — Chino, Rági, Rála, Wara	13	416	...	...	...	...	427	8,540	11	37
Cereals — Bájri	726	28,314	...	...	...	...	...	...	...	...
Cereals — Miscellaneous	...	...	...	...	...	...	2	32	...	...
Pulses — Gram, Udid, Mug	444	37,656	...	...	...	...	100	1,800	5	10
Pulses — Tur	...	...	...	...	...	...	511	6,643	...	...
Pulses — Peas	...	...	...	...	...	...	...	...	...	...
Pulses — Groundnut	191	22,920	...	...	...	...	143	4,075	...	...
Pulses — Miscellaneous	38	1,035	...	...	...	...	...	...	...	...
Fodder Crops — Fodder	...	...	...	...	...	...	...	...	...	...
Fodder Crops — Lucerne, etc.	...	...	...	...	...	...	...	...	...	...
Fibres — Cotton	...	...	...	...	...	...	58	3,480	90	181
Fibres — Tág (Hemp)	...	...	...	...	...	...	326	3,260	...	...
Dyes	...	...	...	...	...	...	...	...	...	...
Drugs and Narcotics — Tobacco	13	1,300	...	...	...	...	...	...	...	...
Drugs and Narcotics — Bháng	...	...	...	...	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	...	...	...	...	...	...	...	...	38	136
Oil-seeds — Linseed, Castor-oil	...	...	...	...	...	...	...	...	...	...
Condiments — Chilly and Onions	28	2,180	...	...	...	...	770	40,810	...	...
Condiments — Garlic, Turmeric and Methi	4	1,000	...	...	...	...	2	48	14	47
Miscellaneous	20	...	...	...	...	...	370	370	...	...
Land insufficiently irrigated	...	...	...	...	...	...	...	...	...	...
Land assessed but not irrigated	...	...	...	...	...	...	...	...	...	...
Total	2,627	2,65,687	...	...	...	...	8,548	2,72,065	333	1,110
Area on which consolidated assessment is levied	...	...	...	...	377	...	...	...	229	...

III-E—*concluded.*

(42) Medleri Tank.		(43) Madag Tank.		(44) Asundi Tank.		(45) Mávinkop Tank.		(46) Dharma Canal.		Total.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area Irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
5	335	29	415	10	1,500	...	...	...	...	1,716	4,52,790
32	1,518	1	103	1	150	...	...	...	...	2,408	4,48,339
...	...	4	640	7	875	...	...	...	...	16,410	1,51,75,420
...	...	...	...	...	...	...	...	...	...	18,907	12,77,794
...	...	...	...	...	...	...	...	...	...	1,179	89,366
58	3,580	467	28,020	...	...	...	...	804	48,360	24,656	16,92,536
...	...	...	...	...	...	...	...	...	...	4,240	1,24,350
...	...	...	...	1	90	...	...	...	...	65,157	66,21,848
3	150	1	14	1	40	...	...	...	...	529	12,050
1	20	...	...	...	...	...	...	...	...	43,486	20,10,611
...	...	...	...	...	...	...	...	...	...	556	14,190
...	...	...	...	...	...	...	...	...	...	13,370	6,70,921
...	...	...	...	...	...	...	...	...	...	754	26,573
...	...	...	...	...	...	...	...	...	...	158	1,417
...	...	...	...	...	...	...	...	...	...	11,901	15,85,417
...	...	...	...	...	...	...	...	...	...	331	37,498
...	...	...	...	...	...	...	...	...	...	4,948	3,07,628
...	...	...	...	...	...	...	...	...	...	1,654	3,07,802
...	...	...	...	...	...	...	...	...	...	3,554	4,50,226
...	...	...	...	1	50	...	...	...	...	557	12,944
...	...	...	...	...	...	...	...	...	...	...	...
3	120	...	...	...	...	...	...	...	...	210	33,855
...	...	...	...	...	...	...	...	...	...	41	4,112
...	...	...	...	...	...	...	...	...	...	96	3,708
...	...	...	...	...	...	...	...	...	...	143	5,497
2	165	1	45	54	3,700	...	...	...	...	4,099	5,46,949
...	...	102	19,056	2	320	...	...	...	...	1,711	4,52,921
...	...	8	...	...	...	...	...	...	...	4,066	92,254
...	...	...	...	...	...	...	...	...	...	6,852	..
...	...	...	...	...	...	...	...	...	...	2,636	...
104	5,888	613	48,293	77	6,725	...	...	804	48,360	236,325	3,24,59,016
...	...	...	...	190	...	81	...	3,530	...	5,991	...

STATEMENT

Comparative Statement of Irrigation and Rainfall for the years 1918-1919

Civil District.	Of the Civil District.			Works supplying Irrigation.		Culturable area commanded by the Irrigation Works in column 6 in Acres.
	Total area in Acres.	Culturable area in Acres.	Cultivated area in Acres.	No.	Name.	
1	2	3	4	5	6	7
	Acres.	Acres.	Acres.			Acres.
Ahmedabad ...	24,52,810	19,62,647	13,83,288	9	Hathmati Canal	28,840
					Khári Cut „	20,000
					Total ...	48,840
Kaira	10,31,956	8,62,509	8,20,308	16	Wangroli Tank	5,000
				17	Tranza-Nagrama Tank	1,290
				18	Savli Tank	4,700
				19	Saiat „	4,000
					Total ...	14,990
Panch Mahals ...	10,29,124	6,27,243	5,28,202	20	Futelao Tank	1,200
West Khándesh..	34,81,204	17,36,522	13,48,821	10	Lower Pánjhara River Works... ...	12,627
East Khándesh ...	27,94,955	21,25,397	19,89,948	21	Hartala Tank	527
				22	Mháswa „	4,075
				23	Jámda Canals	40,185
					Total ...	44,787
Poona District ...	34,21,516	25,40,256	18,88,074	4	Nira Canal and Shetphal Tank	227,670
				13	Mutha Canal including Mátoba Tank	49,800
				27	Kásurdi Tank	478
				28	Shirsuphal „	2,500
				29	Bhádalvádi „	2,400
					Total ...	282,848
Násik District ...	37,69,853	25,53,728	19,26,037	2	Chankapur Tank—Girna Left Bank Canal.	15,109
				11	Kádva River Works. Wághad Tank ...	...
					Pálkhed Canal ...	26,280
					Ozar-Támbat Canal	7,421
					Wadáli Canal ...	2,729
				24	Parsul Tank	3,197
				3	Godavari River Works— Lake Beale Dam ...	83,000
					Godavari Right Bank Canal ...	
					Godavari Left Bank Canal	
					Total ...	137,736
Ahmednagar District.	42,41,864	32,50,362	27,24,355	3	Godavari River Works— Godavari Right Bank Canal ...	136,390
					Godavari Left Bank Canal	
				1	Pravara Right Bank Canal	60,000
				12	Lákh Canal	25,536
				25	Pravara Left Bank Canal	21,155
				26	Bhátodi Tank	13,657
					Total ...	256,738
Sholápur District.	29,16,052	25,32,736	21,02,614	5	Mhaswad Tank	102,400
				14	Ekrúk „	16,941
				30	Koregaon „	2,394
				31	Ashti „	16,825
				32	Páthri „	4,586
					Total ...	143,146

IV-E.

and 1919-1920 in the Bombay Presidency, excluding Sind.

Area at present estimated as annually irrigable by the works specified in column 6.	Area irrigated in Acres.						Rainfall.		Remarks.
	1918-1919.			1919-1920.			1918-1919.	1919-1920.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	
8,000	1,194	259	1,453	520	2,798	3,318	7·13	30·35	At Prántij.
16,000	1,393	2	1,395	10,672	63	10,735	9·36	29·96	At Ahmedabad Civil Hospital.
24,000	2,587	261	2,848	11,192	2,861	14,053			
3,400	784	...	784	593	451	1,044	8·31	33·95	
800	...	...	...	...	...	...	4·17	27·58	Rain-gauges fixed on the tanks.
3,000	281	...	281	1,285	715	2,000	6·73	33·33	
2,000	107	...	107	141	519	660	8·34	33·34	
9,200	1,172	...	1,172	2,019	1,685	3,704			
800	18	...	18	...	49	49	12·34	35·28	
12,627	330	370	700	170	648	818	8·40	17·85	* Area under consolidated assessment.
	*1,197	*617	*1,814	*1,011	*573	*1,584			
415	197	164	361	6	38	44	12·62	25·03	
1,700	296	374	670	22	90	112	13·14	29·44	
5,000	4,647	1,296	5,943	623	972	1,595	9·11	23·48	
7,115	5,140	1,834	6,974	651	1,100	1,751			
113,280	31,994	17,886	49,880	38,952	37,738	76,690	11·20	17·43	
4,200	3,251	1,511	4,762	3,449	2,838	6,287	9·44	22·44	
16,800	13,228	2,077	15,305	16,093	4,722	20,815	14·58	32·42	† Area indirectly irrigated by underground percolation from the Mutha Right Bank Canal.
			28†			28†			
3,250	1,616	294	1,910	1,657	2,129	3,786	5·13	18·26	
150	7	...	7	1	21	22	3·14	11·32	
1,800	751	904	1,655	530	820	1,350	9·56	15·27	
2,000	1,003	387	1,390	878	774	1,652	14·43	17·16	
141,480	51,850	23,059	74,909	61,560	49,042	110,602			
			28†			28†			
5,100	1,737	2,758	4,495	1,775	2,067	3,842	6·66	20·38	
...	...	...	...	...	...	...	...	...	
9,837	1,731	739	2,470	686	1,385	2,071	11·82	34·90	
2,367	703	277	980	208	530	738	8·76	38·48	
2,433	736	509	1,245	448	445	893	7·41	32·85	
1,000	520	35	555	564	692	1,256	3·95	17·90	
30,109	244	108	352	504	143	647	13·38	40·31	
	941	2,667	3,608	904	1,396	2,300	8·15	36·20	
	938	4,546	5,484	1,314	940	2,254	8·15	36·20	
50,846	7,550	11,639	19,189	6,403	7,598	14,001			
49,331	7,665	17,006	24,671	12,712	7,493	20,205	8·15	36·20	
	3,684	8,446	12,130	4,407	3,322	7,729	8·15	36·20	
24,656	5,270	1,814	7,084	3,869	2,266	6,135	12·91	29·14	
11,280	559	404	963	399	201	600	14·29	34·33	
14,763	2,119	116	2,235	8,257	2,532	10,789	12·91	29·14	
12,124	431	909	1,340	584	842	1,426	14·98	31·07	
112,154	19,728	28,695	48,423	30,228	16,656	46,884			
24,300	4,571	4,484	9,055	3,166	4,761	7,927	10·77	20·07	
16,941	2,330	2,474	4,804	2,394	1,983	4,377	9·73	25·21	
1,050	163	87	250	...	166	166	8·09	12·97	
11,780	1,540	4,098	5,638	2,046	2,596	4,642	12·68	25·85	
2,500	361	1,075	1,436	300	852	1,152	8·90	24·40	
56,571	8,965	12,218	21,183	7,906	10,358	18,264			

STATEMENT

Civil District.	Of the Civil District.			Works supplying Irrigation.		Culturable area commanded by the Irrigation Works in Column 6 in Acres.
	Total area in Acres.	Culturable area in Acres.	Cultivated area in Acres.	No.	Name.	
1	2	3	4	5	6	7
	Acres.	Acres.	Acres.			Acres.
Sátára	31,42,642	23,63,650	19,84,336	5	Mhaswad Tank	3,814
				15	Krishna Canal	26,453
				33	Revári „	3,624
				34	Upper Mán River Works	7,623
				35	Yerla River Irrigation Works ...	10,680
				36	Chikhli Canal	1,478
				37	Mayni Tank	4,625
					Total ...	58,297
Bijápur	36,52,911	32,80,941	28,21,098	38	Muchkundi Tank	5,417
Belgaum	29,52,498	22,69,514	17,79,315	39	Gadikeri Tank	Not known.
				40	Gokák Canal, 1st Section and Storage Works	17,627
					Total ...	17,627
Dhárwár ...	29,46,987	24,18,979	21,72,736	41	Dámbal Tank	2,500
				42	Medleri „	830
				43	Asundi „	1,011
				44	Madag „	1,345
				46	Dharma Canal	12,870
					Total ...	18,556
Kánara	25,25,959	3,81,515	3,38,138	45	Mávinkop Tank	755
	40,360,331	28,905,999	23,807,265		Grand Total ...	1,043,564

IV-E.—*concluded.*

Area at present estimated as annually irrigable by the works specified in column 6.	Area irrigated in Acres.						Rainfall.		Remarks.
	1918-19.			1919-20.			1918-19.	1919-20.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	
500	184	338	522	71	603	674	10·75	19·92	
12,320	5,530	2,597	8,127	3,307	2,202	5,509	11·51	18·71	
1,920	239	222	461	113	574	687	14·16	24·56	
2,080	413	696	1,109	588	945	1,533	10·43	16·85	
5,480*	1,606	2,890	4,496	209	4,024	4,233	10·24	14·80	
1,478	141	33	174	320	109	429	15·44	18·05	
4,625	706	1,570	2,276	1,153	1,474	2,627	11·88	11·44	
28,403	8,819	8,346	17,165	5,761	9,931	15,692			
750	...	...	...	...	...	...	16·16	16·67	
417	377*	...	377*	377*	...	377*	26·14	26·28	
17,627	5,206	3,889	9,095	6,391	2,157	8,548	13·48	25·93	
18,044	5,206 377*	3,889	9,095 377*	6,391 377*	2,157	8,548 377*			
1,000	177 144*	53	230 144*	257 176*	76 53*	333 229*	15·05	16·64	
600	45	10	55	102	2	104	11·36	18·43	
1,011	117	22 190*	139 190*	62	15 190*	77 190*	14·23	12·40	
1,345	685	211	896	473	140	613	22·00	25·89	
12,870	16 7,504*	... 357*	16 7,861*	804 2,747*	... 783*	804 3,530*	49·62	74·44	
16,826	1,040 7,648*	296 547*	1,336 8,195*	1,698 2,923*	233 1,026*	1,931 3,949*			
617	577*	...	577*	81*	...	81*	No rain-gauge.		
479,433	112,405 9,799*	90,607 28† 1,164*	203,012 28† 10,963*	133,979 4,392*	102,318 1,599*	236,297 28† 5,991*			

* Area under consolidated assessment.

† Area indirectly irrigated by underground percolation from the Mutha Right Bank Canal.

STATEMENT F.

Statement showing the Operation of Irrigation Works in the Bombay Presidency, excluding Sind, for the year 1919-1920.

No.	Names of Works.	Amount due, 1919-1920.		Remissions.		Total.		Grand Total.	Remarks.
		Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.		
1	2	3	4	5	6	7	8	9	10
	Major Works.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
	Protective Works.								
1	Pravara River Works—Pravara Right Bank Canal	8,253	7,169	...	...	8,253	7,169	15,422	
2	Chankapur Tank—Girna Left Bank Canal	7,740	11,129	...	...	7,740	11,129	18,869	
3	Lake Beala	1,455	322	...	...	1,455	322	1,777	
	Godavari Right Bank Canal ...	1,25,563	59,333	...	...	1,25,563	59,333	1,84,896	
	Godavari Left Bank Canal ...	78,142	26,950	...	...	78,142	26,950	1,05,092	
4	Nira Canal and Shetphal Tank combined	3,21,842	2,36,053	...	...	3,21,842	2,36,053	5,57,895	
5	Mhasvad Tank	13,661	32,966	...	...	13,661	32,966	46,627	
	Total ...	5,56,656	3,73,922	...	...	5,56,656	3,73,922	9,30,578	
	Productive Works.								
9	Hathmati and Khari Cut Canals combined	72,815	5,699	11,036*	19†	61,779	5,680	67,459	* Remissions of Rs. 6,915 had to be given on account of the crops being dried up due to late transplantation and deficiency of water, in some cases it was damaged by the disease of Kamodi and Rs. 4,121 on account of Himayat realised along with land revenue.
10	Lower Pánjhra River Works ...	7,465	4,759	...	...	7,465	4,759	12,224	
11	Kádva River Works. Wághad Tank ...	...	...	...	...	...	...	...	
	Kádva River Works. Pálkhed Canal ...	6,665	7,911	...	...	6,665	7,911	14,576	
	Kádva River Works. Ojhar Támbat Canal	2,306	3,127	...	...	2,306	3,127	5,433	
	Kádva River Works. Wadáli Canal ...	4,990	2,642	...	...	4,990	2,642	7,632	
12	Pravara River Works—Lákh Canal	565	385	...	...	565	385	950	
13	Mutha Canals and Mátoba Tank combined	1,80,619	42,852	...	...	1,80,619	42,852	2,23,471	
14	Ekrúk Tank	18,835	14,334	...	...	18,835	14,334	33,169	† Remissions of Rs. 19 on account of failure of crops for want of water.
15	Krishna Canal	21,741	11,684	...	...	21,741	11,684	33,425	
	Total ...	3,16,001	93,393	11,036	19	3,04,965	93,374	3,98,339	
	Total, Major Works ...	8,72,657	4,67,315	11,036	19	8,61,621	4,67,296	13,28,917	
	Minor Works and Navigation.								
16	Wangroli Tank	2,367	1,613	...	...	2,367	1,613	3,980	
17	Tranza-Nagramma Tanks ...	...	...	...	...	...	...	...	
18	Savli Tank	5,409	1,517	80‡	...	5,329	1,517	6,846	‡ Remissions of Rs. 3 on account of mistakes made in measuring, and Rs. 77 on account of failure of crops.
19	Sahiat do.	563	1,694	...	...	563	1,694	2,257	
20	Futelao do.	...	149	...	...	...	149	149	
21	Hartála do.	39	120	...	...	39	120	159	
22	Mhasva do.	50	287	...	...	50	287	337	
23	Jámda Canals	2,491	3,110	...	...	2,491	3,110	5,601	
24	Parsul Tank	1,349	3,982	...	...	1,349	3,982	5,331	
25	Pravara River Works—Pravara Left Bank Canal	17,461	7,808	...	...	17,461	7,808	25,269	
26	Bhátodi Tank	2,176	3,369	...	...	2,176	3,369	5,545	
27	Kásurdi do.	1	43	...	...	1	43	44	
28	Shirsuphal do.	2,095	3,044	...	...	2,095	3,044	5,139	
29	Bhádalvádi do.	4,215	3,298	...	...	4,215	3,298	7,513	
30	Koregaon do.	...	841	...	...	...	841	841	
31	Asbti do.	16,730	13,703	...	...	16,730	13,703	30,433	
32	Páthri do.	1,357	5,232	...	...	1,357	5,232	6,589	
33	Revári Canal	407	2,461	6	29	401	2,432	2,833	
34	Upper Mán River Works ...	1,280	4,192	...	...	1,280	4,192	5,472	
35	Yerla River Irrigation Works ...	701	16,586	2	6	699	16,580	17,279	
36	Chikhli Canal	754	926	...	...	754	926	1,680	
37	Maini Tank	2,677	6,829	...	...	2,677	6,829	9,506	
38	Muchkundi Tank	...	...	...	...	...	...	...	
39	Gadikeri do.	...	...	...	...	...	...	...	
40	Gokák Canal, 1st Section, and Storage Works	28,651	10,783	...	...	28,651	10,783	39,434	
41	Dámbal Tank	926	208	...	...	926	208	1,134	
42	Medleri do.	715	12	...	...	715	12	727	
43	Madag do.	1,674	671	...	...	1,674	671	2,345	
44	Asundi do.	319	113	...	...	319	113	432	
45	Mávinkop do.	...	...	...	...	...	...	...	
46	Dharma Canal	4,633	...	83	...	4,550	...	4,550	
	Total, Minor Works ...	99,040	92,591	171	35	98,869	92,556	1,91,425	
	Grand Total ...	9,71,697	5,59,906	11,207	54	9,60,490	5,59,852	15,20,342	

STATEMENT I-F.

Statement showing water-rates per acre in force during 1919-1920 on Irrigation Works in the Bombay Presidency, excluding Sind.

No.	Names of Works.	Water-rates. Irrigation in blocks.	Perennial.	Early eight months.	Monsoon four months.	Rabi four months.	Hot weather.	Miscellaneous	Single watering.	Occupier's rate.	Owner's rate.	Water advantage.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Major Works.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.				
	Protective Works												
1	Pravara River Works—Pravara Right Bank Canal.(a) §	...	...	...	2	3	4	...	1				(a) Sanctioned till an assured supply of water can be given from the Reservoir at Bhandardara. For ... ment Resolutions No. A.I.—1482, dated 1st ... 1910, No. A. I-2596, dated 8th March 1913 and No. A.I. 10637, dated 2nd November 1917.
2	Girna Left Bank Canal.(b) §	...	14	8	3	5	6	...	1 *2				(b) Rates sanctioned in Government Resolutions Nos. A.I.—1431 and 1964, dated 28th June 1910 and 4th October 1911 respectively.
3	Godavari Right Bank Canal (c) § Godavari Left Bank Canal (c) §	...	22½	12	3	5	7	...	(A) 1 (B) 2				(c) Sanctioned in Government Resolution No. A. I.—6371, dated 27th June 1917, for a period of 6 years ending 14th February 1924. The rate of Rs. 2 per acre for lands let out for cultivation in the basin of Lake Beale, sanctioned in G. R. No. A.I.—7200, dated 9th August 1912, is to continue up to the 1st June 1923, *vide* Government Order No. A. I.—7745, dated 10th June 1920.
4	Nira Canal (c) ... ... Shetphal Tank (c)	†† 20	A 45 B 30 † 22½	12	3	5	7	...	(d) 1 *2				(A) From 15th June to 14th February for ordinary crops and (B) from 15th February to 14th June for ordinary crops and for Sugarcane and Pan gardens throughout the whole year as sanctioned in Government Resolution No. A.I.—1526, dated 26th July 1911 and No. A.I.—4514, dated 15th May 1913. A For Sugarcane. B For Pan-gardens. † For Perennial crops other than Sugarcane and Pan gardens. * For Sugarcane and Pan gardens.
5	Mhasvad Tank § (e)... ...	...	14	8	3	5	6	...	1				(d) Sanctioned in Government Resolution No. A.I.—2213, dated 15th October 1910.
	Productive Works.												††Sanctioned for five years ending 14th February 1924, *vide* Government Resolution No. A.I.—879, dated 28th January 1918.
9	Hathmati Canal (m) ... Khari Cut Canal (m) ...	...	10 14	3 7	1 1	2 5	6 6	...	2 2				(e) Sanctioned for a period of six years with effect from 15th February 1918, *vide* Government Orders No. A.I.—1576, dated 12th February 1918.
10	Lower Panjhra River Works (f)	...	...	6	2	4	6	...	1				(m) Rates sanctioned until further orders, *vide* Government Resolution No. 156 A.I.—1112, dated 12th July 1894.
11	Kadva River Works §(g). Pálkhed Canal ... / Ojhar-Tambat Canal. / Wadali Canal ...	...	15	8	3	5	7	...	(C) 1 ( ) 2	Nil.	Nil.	Nil.	(f) In force for 5 years ending 31st March 1921, *vide* Government Resolution No. A.I.—7053, dated 7th July 1916.
12	Pravara River Works—Lakh Canal (h)	...	8	4	½	2	4	...	...				(g) Rates sanctioned for a period of 5 years ending 15th February 1924, *vide* Government Order No. A. I.—11405, dated 28th August 1919.
13	Mutha Canals and Matoba Tank (e): Sugarcane under the Mutha Canal within the Poona City and Suburban Municipality and Cantonment limits or within one mile of those limits.	...	50	12	3	5	7	...	*1 *2				(C) For monson and rabi seasons. (D) For hot weather. (h) Sanctioned in Government Resolution No. A.I.—12087, dated 11th December 1918, for one year ending 31st March 1919 or until the improved supply of water from Lake Arthur Hill is available.
	Sugarcane on all remaining land commanded by both the canals.		45										‡ This rate is levied *in proportion to the time for which water is supplied*, according to the scale laid down in Note (c) to the schedule attached to Government Resolution No. A.I.—2213, dated 15th October 1910, *vide* Government Resolution No. A.I.—6007, dated 27th May 1919.
	Sugarcane under the Matoba Tank.		45‡										(x) Rates to be in force for a period of six years ending 15th February 1925, *vide* Government Order, No. A.I.—9708, dated 4th October 1918.
	Pán gardens		30										(m) Sanctioned for a term of 10 years or up to 15th June 1920, *vide* Government Resolution No.. A. I.—2395, dated 14th November 1910.
	Perennial crops other than Sugarcane and Pan gardens.		22½										(o) Rates sanctioned in Government Resolution No. A.I.—1939, dated 6th September 1910, are continued up to 15th June 1920, *vide* Government Order No. A.I.—9000, dated 14th September 1917.
14	Ekruk Tank (x) § ...	...	17½	8	3	5	7	...	1				(p) Rates sanctioned in Government Resolution No. A.I.—1123, dated 13th May 1910 are to continue up to 31st July 1920 *vide* Government Resolution No. A. I.—10155, dated 14th September 1915.
15	Krishna Canal (n) ...	...	15‡ 30*	8	3	5	7	...	1 *2				(q) Rates sanctioned in Government Resolution No. A.I.—1335, dated 14th June 1910 are to continue up to 15th June 1920, *vide* Government Resolution No. A. I.—287, dated 10th January 1916.
	Minor Works and Navigation.												
16	Wangroli Tank (o) ...	...	...	6½	2½	4	6	For rice 4	1½				
17	Tranza-Nagramma Tanks(p)	...	...	6	2	4	6	For rice 4	1				
18	Savli Tank (q)	...	...	8	4	4	6	...	1				

Note—(1) For lift irrigation half the ordinary rates are charged.
(2) Double the ordinary rates are charged as penal rates for taking water without permission.
(3) Leakage or percolation rates are the same as ordinary rates.
(4) Water rate for non-irrigational purposes should not be less than Re. 1 per 10,000 cubic feet, *vide* Government Resolutions No. A.I.—879, dated 28th January 1913 and No. A.I.-7604, dated 21st July 1916.
(5) Rs. 2 per acre to be charged for single watering given to those who are not regular irrigators or holders of rabi-leases *vide* Government Resolution No. A.I.—1759, dated 5th July 1916 and Government Order No. A.I.—2525, dated 3rd March 1916.

§ For Sugarcane and Pan gardens double the ordinary rates are charged.

STATEMENT I-F—*concluded.*

No.	Names of Works.	Water-rates. Irrigation in blocks.	Perennial.	Early eight months.	Monsoon four months.	Rabi four months.	Hot weather.	Miscellaneous.	Single watering.	Occupier's rate	Owner's rate.	Water advantage.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	MINOR WORKS AND NAVIGATION—*concluded.*	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.				
19	Sahiat Tank (*r*) ...	...	...	$6\frac{1}{2}$	$2\frac{1}{2}$	4	6	For rice 4	$1\frac{1}{2}$				(*r*) Rates sanctioned in Government Resolution No. A.I.—309, dated 15th February 1911, are to be in force up to 31st March 1923, *vide* Government Order No. A.I.—6451, dated 25th June 1918.
20	Futelao Tank (*s*)†† ...	...	...	...	Rice up to end of October 4. Other Kharif 2	(G) 3 (H) 2	Provisional 8	...	(K) 1				(*s*) Rates sanctioned for a period of 4 years ending 31st March 1921 *vide* Government Order No A.I.—9945, dated 12th October 1917. (G) For ordinary Rabi. (H) For restorative crops grown after rice. (K) In either Kharif or rabi season.
21	Hartála Tank (*i*) ...	...	9 ‡ 12	5	2	3	4	...	1 †2				†† The tank is to be managed specially for Kharif and rabi irrigation; but if water is supplied for sugarcane and perennial crops in the kharif and Rabi seasons double the ordinary rates, *viz.*, Rs. 4 and 6 per acre respectively will be charged.
22	Mhasva Tank (*i*) ...	...	9 ‡ 12	5	2	3	4	...	1 †2				(*i*) Sanctioned for a period of 2 years ending 31st March 1921, *vide* Government Resolution No. A.I.—1712, dated 8th January 1919.
23	Jámda Canals (*i*) ...	...	10 ‡ 16	5	2	3	5	...	1 †2				‡ Sugarcane and pan gardens to be charged double the seasonal rate except that the perennial rates for these crops should be Rs. 12 on Hartala and Mhaswa tanks and Rs 16 for Jamda canals.
24	Parsul Tank (*j*) ...	...	...	7	2	5	8	...	1				(*j*) Rates sanctioned in Government Resolution No. A.I.—1754, dated 10th August 1910, up to 14th June 1921. Water is not to be reserved for perennial Irrigation.
25	Pravara River Works—Pravara Left Bank Canal. (*k*) ...	...	...	5	2	3	4	...	1				(*k*) Sanctioned in Government Resolutions No. A.I.—1460, dated 9th June 1909, and No. A.I.—2051, dated 24th August 1909. In force until an improved supply is provided by the storage work of the Pravara River project, *vide* Government Resolution No. A.I.—10637, dated 2nd November 1917.
26	Bhátodi Tank (*l*) ...	...	(i) $14\frac{1}{2}$	$6\frac{1}{2}$	$2\frac{1}{2}$	4	8	...	1				(*l*) In force till 15th October 1920, *vide* Government Resolution No. A. I.—13135, dated 28th November 1914. Half the usual rates are charged for irrigation from water flowing down the waste-weir of this tank, *vide* Government Order No. A.I.—10592, dated 2nd November 1917.
27	Kásurdi do. § (*d*) ...	...	...	$6\frac{1}{2}$	$2\frac{1}{2}$	4	6	...	1 †2				(i) For the whole year.
28	Shirsuphal do. § (*d*) ...	...	...	$6\frac{1}{2}$	$2\frac{1}{2}$	4	6	...	1 †2				(*d*) Rates sanctioned for 10 years from 16th February 1911 to 15th February 1921, *vide* Government Resolution No. A. I.—2213, dated 15th October 1910.
29	Bhádalvádi do. §(*d*) ...	...	...	$6\frac{1}{2}$	$2\frac{1}{2}$	4	6	...	1 †2				† For Sugarcane and Pan gardens.
30	Koregaon do. §(*e*) ...	...	16	7	3	4	6	...	1				(*e*) Rates to be in force up to 15th February 1925, *vide* Government Order No. A.I.—9708, dated 4th October 1918.
31	Ashti do. §(*e*) ...	...	16	7	3	4	6	...	1	Nil.	Nil.	Nil.	(*s*) Sanctioned for a term of 10 years or up to 15th June 1920, *vide* Government Resolution No. A.I.—2395 of 14th November 1910.
32	Páthri do. §(*e*) ...	...	16	7	3	4	6	...	1				* For Perennial crops other than Sugarcane and Pan gardens.
33	Revári Canal (*s*) ...	...	* 12 † 24	6	2	4	6	...	1 †2				(*t*) Rates in force for perennial crops till 30th September 1919. From 1st October 1919 all water rates are abolished for a period of two years (*vide* Government Order No. A I.—12460, dated 23rd September 1919).
34	Upper Man River Works (*s*) ...	...	* 12 † 24	6	2	4	6	...	1 †2				(*u*) Sanctioned for a period of 5 years from 1st April 1915 to 31st March 1920, *vide* Government Resolution No. A.I.—6068 of 26th May 1915. Continuance of these rates for a further period of 5 years ending 31st March 1925 is also sanctioned. (*vide* Government Order No. A.I—9465, dated 9th July 1919).
35	Yerla River Irrigation Works (*s*) ...	...	* 12 † 24	6	2	4	6	...	1 †2				(i) For the whole year. (ii) For sugarcane irrigated between 15th June and 14th February.
36	Chikhli Canal (*s*) ...	...	* 12 † 24	6	2	4	6	...	1 †2				
37	Maini Tank (*s*) ...	...	* 12 † 24	6	2	4	6	...	1 †2				
38	Muchkundi Tank (*t*) ...	...	(t) 8	(t) 4	...	...	...	...	...				
39	Gadikeri do ...	...	...	...	...	...	...	...	...				
40	Gokak Canal, 1st Section, and Storage Works (*u*) ...	...	(i) 22 (ii) 16	8	3	5	15	...	1				(*v*) Sanctioned for a period of 5 years from 1st April 1915 to 31st March 1920, *vide* Government Resolution No. A.I.—5425 of 8th May 1915.
41	Dambal Tank (*v*) ...	...	¶ 14	*a* 5 *b* 7	*e* $3\frac{1}{2}$	*c* $3\frac{1}{2}$ *d* 4	*f* 6	...	*e* 1 *g* 2				¶ For Sugarcane, Betal-leaf, Cocoanut trees, &c., &c.
42	Medleri do. (*v*) ...	...	¶ 14	*a* 5 *b* 7	*e* $3\frac{1}{2}$	*c* $3\frac{1}{2}$ *d* 4	*f* 6	...	*e* 1 *g* 2				*a* From 15th June to 15th February.
43	Madag do. (*v*)	...	¶ 10	*a* 5 *b* 7	*e* $3\frac{1}{2}$	*c* $3\frac{1}{2}$ *d* 4	*f* 6	...	*e* 1 *g* 2				*b* „ 15th October to 15th June or 1st August to 31st March.
44	Asundi do. (*v*) ...	...	¶ 14	*a* 5 *b* 7	*e* $3\frac{1}{2}$	*c* $3\frac{1}{2}$ *d* 4	*f* 6	...	*e* 1 *g* 2				*c* „ 15th June to 15th October or 15th July to 30th November.
45	Mávinkop do. ...	...	...	...	...	...	...	...	...				*d* „ 15th October to 15th February.
46	Dharma Canal (*w*) ...	...	14	*a* 5 *b* 7	*e* 3	*c* 3 *d* $3\frac{1}{2}$	*f* 6	...	*e* 1 *g* 2				*e* „ 15th June to 15th October.
													g „ 16th October to 14th June.
													f „ 15th February to 15th June.
													w Rates sanctioned up to 31st March 1922, *vide* Government Order No. A.I.—8434, dated 27th August 1918.

Note—(1) For lift irrigation half the ordinary rates are charged.
(2) Double the ordinary rates are charged as penal rates for taking water without permission.
(3) Leakage or percolation rates are the same as ordinary rates.
(4) Water rate for non-irrigational purposes should not be less than Re. 1 per 10,000 cubic feet, *vide* Government Resolutions No. A.I.—879, dated 28th January 1913, and No. A.I.—7604, dated 21st July 1916.
(5) Rs. 2 per acre to be charged for single watering given to those who are not regular irrigators or holders of rabi leases, *vide* Government Resolution No. A.I.—1759, dated 5th July 1906, and Government Order No. A.I.—2525, dated 3rd March 1916.

§ For Sugarcane and Pán gardens double the ordinary rates are charged.

STATEMENT G.

STATEMENT

Statement showing Areas and Water-rate Assessments in the Bombay Presidency, fixing the Scale

No.	Names of Works.	Irrigation in Blocks.		Perennial.		8 Months.		Monsoon—4 Months.		Rabi—4 Months.	
		Areas.	Assessment.	Areas.	Assessment.	Areas.	Assessment.	Areas.	Assessment.	Areas.	Assessment.
	Major Works.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
	Protective Works.										
1	Pravara River Works—Pravara Right Bank Canal	...	...	588	2,460	110	780	2,979	6,405	2,092	5,373
2	Chankapur Tank—Girna Left Bank Canal	...	...	49	1,072	117	865	309	952	2,586	11,059
3	Darna Dam—Lake Beale	...	...	...	...	...	...	...	...	...	...
	Godavari Right Bank Canal	...	...	2,636	89,581	758	7,941	7,280	23,198	11,641	59,849
	,, Left Bank Canal	...	...	1,857	65,969	562	3,532	2,170	7,329	5,310	26,843
4	Nira Canal, including Shetphal Tank.	...	...	8,191	1,72,610	8,044	53,381	18,220	56,397	43,368	2,61,720
5	Mhasvad Tank	...	...	77	704	668	4,359	2,540	8,875	5,235	28,906
	Total ...	...	...	13,398	3,32,396	10,259	71,358	33,498	1,03,156	70,232	3,93,750
	Average rate ...	...	...	...	24·81	...	6·95	...	3·083	...	5·61
	Productive Works.										
9	Hathmati and Khari Cut Canals combined	...	...	23+5‡	154	...	...	11,160	72,655	2,855	5,685
10	Lower Pánjhra River Works	...	...	37	453	135	809	1	1	645	2,613
11	Kádva River Works. Wághad Tank	...	...	...	...	...	...	...	...	...	...
	Pálkhed Canal	...	...	182	3,575	771	4,473	13	72	889	4,498
	Ojhár Támbat Canal ...	...	...	78	1,396	252	1,486	100	674	308	1,734
	Wadáli Canal	...	...	130	2,959	296	1,784	3	26	257	1,405
12	Pravara River Works—Lákh Canal... ...	...	...	63	235	31	54	290	173	200	427
13	Mutha Canals, including Matoba Tank. Within the Poona City, Suburban Municipal and Cantonment limits or within one mile of those limits	...	...	1,720	42,233						
	On all the remaining land commanded by both Canals ...	...	...	3,219	69,547						
	'Pán' gardens wherever situated throughout the Canals... ...	...	...	6	180						
				4,945	1,11,960	2,817	23,375	8,399	25,613	6,621	35,312
	Mátoba Tank	...	...	165	4,669						
				5,110	1,16,629						
14	Ekrúk Tank	...	...	219	4,826	1,497	10,034	335	1,624	1,920	13,775
15	Krishna Canal	...	...	646	8,998	1,825	10,605	2,126	10,776	814	2,578
	Total ...	...	...	6,493	1,39,225	7,621	57,620	22,427	1,11,614	14,509	68,027
	Average rate ...	...	...	...	21·44	...	7·55	...	4·97	...	4·68
	Minor Works and Navigation.										
16	Wangroli Tank...	...	...	...	...	...	...	593	2,367	451	1,613
17	Tranza-Nagramma Tanks	...	...	...	...	...	...	...	...	...	...
18	Savli Tank	...	...	...	...	...	...	1,285	5,406	715	1,517
19	Sahiat do.	...	...	...	...	...	...	141	563	519	1,694
20	Futelao do.	...	...	...	...	...	...	...	...	49	149
21	Hartála do.	...	...	2	20	5	25	...	...	37	112
22	Mhasva do.	...	...	2	21	5	20	...	...	88	265
23	Jámda Canals	...	...	78	950	62	324	37	163	965	3,038
24	Parsul Tank	...	...	13	87	6	40	537	1,240	692	3,670
25	Pravara River Works—Pravara Left Bank Canal	...	...	783	2,466	104	456	6,287	13,950	3,088	6,489
26	Bhátodi Tank...	...	...	...	...	243	1,480	358	793	790	3,157
27	Kásúrdi do.	...	...	...	...	1	2	...	...	21	42
28	Shirsuphal do.	...	...	22	295	27	190	556	1,750	685	2,834
29	Bhádalvádi do.	...	...	20	290	32	235	800	2,600	784	4,324
30	Koregaon do.	...	...	...	...	...	...	...	...	166	841
31	Ashti do.	...	...	211	4,181	1,555	11,122	217	725	2,562	13,532
32	Páthri do.	...	...	3	43	116	813	213	639	820	5,094
33	Revári do.	...	...	...	...	140	840	427	1,708	100	200
34	Upper Mán River Works	...	...	11	140	75	421	1,252	4,677	165	234
35	Yerla River Irrigation Works	...	...	68	399	276	1,372	3,766	15,295	123	222
36	Chikhli Canal	...	...	22	125	82	672	105	430	211	436
37	Maini Tank	...	...	65	768	40	194	1,435	5,844	1,067	2,460
38	Muchkundi do.	...	...	...	...	...	...	...	...	...	...
39	Gadikeri do.	...	...	...	...	...	...	377	2,061	...	...
40	Gokák Canal, 1st Section, and Storage Works	...	...	221	4,481	1,112	8,838	4,540	13,571	2,150	10,769
41	Dámbal Tank	...	...	1	19	...	...	229	754	76	208
42	Medleri do.	...	...	32	448	5	24	66	253	1	2
43	Madag do.	...	...	5	50	33	225	468	1,654	99	400
44	Asundi do.	...	...	8	36	46	309	19	65	4	22
45	Mávinkop do.	...	...	...	...	...	...	...	...	...	...
46	Dharma Canal	...	...	...	...	...	...	804	4,634	...	...
	Total ...	...	...	1,567	14,819	3,965	27,604	24,572	81,082	16,428	63,324
	Average rate ...	...	...	...	9·45	...	7·01	...	3·31	...	3·85
	Grand Total ...	...	...	21,458	4,86,440	21,848	1,56,582	80,497	2,95,852	1,01,169	5,25,101
	Average rate ...	...	...	...	22·62	...	7·17	...	3·68	...	5·20

Note.—The difference between the figures of total area and assessments in this Statement and those in Statements I—E. to IV—E. is hypothetical and are arrived at on the assumption that

G.

excluding Sind, during 1919-1920, according to the system of classification adopted in of Water-rates.

Hot Weather.		Miscellaneous.		Grand Total.		Remarks.
Area.	Assessment.	Area.	Assessment.	Area.	Assessment.	
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	
306	404	...	...	6,135	15,422	
668	4,039	113	382	3,842	18,860	
...	...	647*	1,777	647	1,777	* This represents the area in the basin let out for cultivation.
199	2,267	...	...	22,505	1,62,836	
84	1,319	...	...	9,983	1,05,092	
49	381	5,105	13,426	82,977	5,57,895	
23	73	56	3,210†	8,601	46,627	† This amount includes the difference recovered to make up the minimum amount assessed on lease area.
1,350	8,563	5,923	19,295	134,690	9,93,518	
...	6·21	...	3·26	...	6·90	
10	20	...	...	14,053	76,514(A)	‡ Charged again in different seasons.
...	...	...	...	818C	3,876 B	(A) Rs. 11,116 in Kharif and Rs. 19 in Rabi have had to be remitted partly on account of himayat and partly on account of crops being dried up due to late plantation.
...	...	...	...	...	...	
216	1,493	...	465	2,071	14,576	
...	...	...	142	738	5,432	B Exclusive of Rs. 8,349 on account of enhanced water rates on old works.
200	1,302‡	7	166	993	7,632	C Exclusive of 1,584 acres of *mamul* Bágáyat area.
16	51	...	...	609	940	
255	1,895	1,399	3,912	{ 24,601 28§ }	2,11,736	§ An area of 28 acres is indirectly irrigated by under ground percolation from the Mutha Right Bank Canal and hence it cannot be classified in respect of different crops. The revenue realized therefrom is Rs. 52.
392	2,806	24	103	4,377	33,168	
83	358	16	110	5,509	33,425	
1,162	7,925	4,445	4,888	53,960 28§	3,69,299	
...	6·82	...	3·38	...	7·25	
...	...	...	...	1,014	3,990	
...	...	...	...	...	...	
...	...	...	...	2,000	6,923	
...	...	...	...	660	2,237	
...	...	...	...	49	149	
...	...	...	...	44	159	
...	...	17	31	112	337	
143	860	310	320	1,595	5,601	
6	8	2	286	1,256	5,331	
527	1,908	...	...	10,789	25,269	
3	16	32	97	1,426	5,515	
...	...	...	...	23	44	
...	...	30	70	1,350	5,139	
...	...	16	64	1,052	7,513	
...	...	...	...	166	841	
97	873	...	...	4,642	30,433	
...	...	...	...	1,152	6,589	
20	120	...	...	667	2,868	
...	...	...	...	1,533	5,472	
...	...	...	...	4,233	17,288	
4	9	5	8	429	1,680	
...	...	20	240	2,627	9,566	
...	...	...	...	...	...	
...	...	...	...	377	2,061	
155	1,291	370	494	8,548	39,434	
25	151	2	2	333	1,134	
...	...	...	...	104	727	
...	...	8	16	613	2,345	
...	...	...	...	77	432	
...	...	...	...	...	...	
...	...	...	...	804	4,634	
990	5,238	812	1,624	48,324	1,93,691	
...	5·34	...	1·05	...	4·00	
3,522	21,726	9,180	25,807	236,674 28§	15,11,508	
...	6·16	...	3·15	...	6·40	

due to difference in treatment of fractions in some cases, and in others to the fact that the figures in this Statement are more or less certain areas are assessed at certain rates.

STATEMENT

Statement showing operations of the year 1919-1920

	Names of Works.	Amount of Estimate, Direct and Indirect.	Capital Outlay, Direct and Indirect.		Length of		Area under Command.	
			During 1919-1920.	To end of 1919-1920.	Canal.	Distributaries.	Gross.	Irrigable at present.
1	2	3	4	5	6	7	8	9
	Major Works.	Rs.	Rs.	Rs.	Miles.	Miles.	Acres.	Acres.
	Protective Works.							
1	Pravara River Works—Pravara Right Bank Canal	1,16,70,592	9,51,851	93,30,981	33	13	73,763	24,656
2	Chankápur Tank—Girna Left Bank Canal	19,68,106	14,621	19,51,826	13·11	9·93	18,982	5,100
3	Lake Beale (Darna Dam) ... ... Godávari Right Bank Canal ... Godávari Left Bank Canal ...	1,01,47,321	14,930	1,01,09,705	69‡ 48‡	47·25‡ 15·25‡	144,310 .88,080	49,331 30,109
4	Nira Canal, including Shetphal Tank	†89,49,307 † 8,06,034	23,301	65,61,134	100·25 6·54	139	274,447	117,480
5	Mhasvad Tank	†27,84,496	...	20,96,016	66·25	43·36	129,045	24,800
	Total ...	3,63,25,856	10,04,703	3,00,49,662	336·15	267·79	728,627	251,476
	Productive Works.							
9	Háthmati and Khári Cut Canals combined	†7,62,392 6,10,329	...	13,15,973	21 39	53 29·50	44,744 32,000	8,000 16,000
10	Lower Pánjhra River Works	†7,04,681	...	4,68,621	...	45	13,117	12,627
11	Kádva River Works ... Wághad Tank ... Pálkhed Canal ... Ojhar Támbat Canal Wadáli Canal ...	†7,01,730 †4,66,402 †17,785 †63,461	...	10,34,191	... 11 4·50 8·62	... 14·36	... 28,832 8,055 3,486	... 9,837 2,367 2,433
12	Pravara River Works—Lákh Canal ...	†7,60,764	...	3,71,891	28	9·37	29,913	11,280
13	MuthaCanals, including Mátoba Tank.	† 1,23,73,762 2,10,500	...	65,34,144	88	67 17	94,087 10,700	16,800 3,250
14	Ekruk Tank	†21,35,580	...	13,40,386	48	1·68	17,152	16,941
15	Krishna Canal	†16,60,896	...	9,44,459	63·87	...	28,327	12,320
	Total ...	2,04,68,282	...	1,20,09,665	306·99	236·91	310,413	111,855
	Total, Major Works ...	5,67,94,138	10,04,703	4,20,59,327	643·14	504·70	10,39,040	363,331
	Minor Works and Navigation.							
16	Wángroli Tank	2,48,544	...	2,90,930	17·26	...	5,000	3,400
17	Tránza-Nagrámma Tanks	3,12,734	...	2,80,035	7·60	...	1,500	800
18	Sávli Tank	2,49,222	...	2,55,210	8·35	1·32	4,700	3,000
19	Sahiat do.	1,86,782	...	1,84,029	9·25	1·79	4,000	2,000
20	Futelao do.	1,10,785	...	1,16,461	3·99	...	1,500	800
21	Hartála do.	75,040	...	73,382	...	5·50	584	415
22	Mhasva do.	1,40,015	...	1,38,956	...	7·00	4,647	1,700
23	Jámda Canals	10,88,640	...	10,41,089	39	75·00	46,288	5,000
24	Parsul Tank	2,23,612	...	2,14,995	...	4·75	3,337	1,000
25	Pravara River Works—Pravara Left Bank Canal	3,48,211	...	3,47,550	19	21	23,724	14,763
26	Bhátodi Tank	3,78,278	...	3,79,707	4·50	5·50	15,126	12,124
27	Kásurdi do.	45,950	...	45,590	...	1·75	597	150
28	Shirsuphal do.	2,22,282	...	2,24,568	...	12·50	4,500	1,800
29	Bhádalvádi do.	2,28,724	...	2,27,422	...	9·75	3,000	2,000
30	Koregaon do.	42,049	...	39,189	3·75	...	2,394	1,050
31	Ashti do.	8,34,927	...	8,36,091	27·50	3·15	17,882	11,780
32	Páthri do.	6,72,856	...	6,42,846	4·66	3·33	5,000	2,500
33	Revári Canal	59,448	...	59,811	10·25	...	3,813	1,920
34	Upper Man River Works	4,44,531	...	4,39,286	17·50	6·50	8,413	2,080
35	Yerla River Irrigation Works... ...	7,45,314	...	7,64,870	33·33	4·00	11,234	5,480
36	Chikhli Canal	57,415	...	57,442	6·50	...	1,871	1,478
37	Maini Tank	3,90,492	...	4,87,650	9·25	7·5 8	4,876	4,625
38	Muchkundí do.	1,68,420	...	1,58,707	5·50	2·25	5,570	750
39	Gadikeri do.	17,531	...	16,918	...	...	687	417
40	Gokák Canal, 1st Section, and Storage works	†15,40,882	...	13,81,922	16·13	35·43	18,668	17,627
41	Dambal Tank	64,906	...	63,980	...	3·27	3,000	1,000
42	Medleri do.	81,705	...	81,392	...	5·64	1,916	600
43	Madag do.	2,49,407	...	1,67,598	9·00	...	2,851	1,345
44	Asundi do.	80,485	...	74,995	...	4·86	1,800	1,011
45	Mávinkop do.	34,384	...	33,504	...	2·79	872	617
46	Dharma Canal	98,334	1,795	97,788	27·15	3·71	13,562	12,870
	Total, Minor Works ...	94,41,905	1,795	92,24,513	279·47	228·37	222,912	116,102
	Grand Total ..	6,62,36,043	10,06,498	5,12,83,840	922·61	733·07	1,261,952	479,433

H.

in the Bombay Presidency, excluding Sind.

Rainfall.	Discharge of Canal at head, cubic feet per second.	Area. Applied for.	Area. Irrigated.	Amount of gross Assessment.	Realizations.	Working Expenses.	Net Revenue.	Remarks.
10	11	12	13	14	15	16	17	18
Inches.		Acres.	Acres.	Rs.	Rs.	Rs.	Rs.	
29·14	52	8,127	6,135	16,838	15,601	40,551	—24,950	
20·38	36·85	4,485	3,842	19,191	22,976	21,944	1,032	
40·81	.....	647	647					
36·20	193	23,133	22,505	3,04,743	4,43,148	2,09,246	2,33,902	‡As actually completed.
36·20	90	11,437	9,983					
17·43	282	Information not available.						
22·44	17·33		82,977	5,65,244	4,85,464	1,86,804	2,98,660	
19·92	45·01	...	8,601	51,735	59,356	11,515	47,841	†Includes interest charges during construction.
...	.....	47,829	134,690	9,57,751	10,26,545	4,70,060	5,56,485	
30·35	319	3,403	3,318					
29·96	145	9,593	10,735	74,047	22,354	33,340	—10,986	
17·85	1·37	810	818					
			*1,584	16,947	17,420	4,626	12,794	*Area under consolidated assessment.
...	.....	...	...					
34·90	17·45	2,301	2,071					
38·48	3·25	837	738	30,040	29,874	76,921	—47,047	
32·85	7·84	1,034	893					
34·33	7	735	600	1,475	1,922	2,790	—868	§Includes an area of 28 acres indirectly irrigated by underground percolation.
32·42	159	Information not available						
18·26	7·81		§24,629	2,87,673	3,70,662	1,09,371	2,61,291	
25·21	17·42	4,182	4,377	1,34,747	1,31,571	16,230	1,15,341	
18·71	45·76	6,372	5,509	33,862	91,192	14,846	76,346	
...	.....	29,272	53,688 *1,584	5,78,791	6,64,995	2,58,124	4,06,871	
...	.....	77,101	188,378 *1,584	15,36,542	16,91,540	7,28,184	9,63,356	
33·95	45·74	702	1,044	8,401	7,347	7,151	196	
27·58	.....	...	...	895	929	2,978	—2,049	
33·33	64·90	767	2,000	5,806	1,452	3,957	—2,505	
33·34	53·84	390	660	5,124	3,919	4,076	—157	
35·28	14·5	136	49	289	185	807	—622	
25·03	0·05	62	44	5,065	5,600	1,942	3,658	
29·44	0·73	273	112	1,184	2,182	3,275	—1,093	
23·48	38·55	1,931	1,595	8,202	20,537	13,928	6,609	
17·90	3·06	1,657	1,256	5,446	2,339	1,461	878	
29·14	123	12,981	10,789	26,375	17,563	13,920	3,643	
31·07	1·12	1,475	1,426	9,862	10,830	9,289	1,541	
11·32	.....	Information not available.	22	260	217	4,865	—4,648	
15·27	4·40		1,350	10,885	11,482	3,326	8,156	
17·16	3·49		1,652	7,683	7,509	3,720	3,789	
12·97	0·32	200	166	937	864	4,314	—3,450	
25·35	10·10	4,590	4,642	63,322	31,339	7,495	23,844	
24·40	2·28	1,100	1,152	8,823	8,409	2,109	6,300	
24·56	2·86	1,199	687	2,900	1,295	1,886	—591	
16·85	4·85	1,768	1,533	5,547	6,884	8,917	—2,033	
14·80	14·27	4,516	4,233	17,935	23,087	9,966	13,121	
18·05	3·24	726	429	1,722	1,428	457	971	
11·44	7·27	3,428	2,627	9,780	7,268	6,720	548	*Area under consolidated assessment.
16·67	.....	...	...	18	18	699	—681	
No rain gauge.	.....	...	*377	2,061	2,061	376	1,685	
25·93	35·08	...	8,548	57,851	62,206	13,533	48,673	
16·64	2·70	468	333 *229	2,522	2,618	2,779	—161	
18·43	3·39	125	104	992	1,019	391	628	
25·89	10·60	609	613	2,611	3,850	964	2,886	
12·40	3·52	93	77 *190	1,119	687	323	364	
No rain gauge.	0·99	...	*81	2,288	2,288	472	1,816	
74·44	24·68	328	804 *3,530	—9,967	—12,905	1,362	—14,267	
...	.....	39,524	47,947 *4,407	2,35,938	2,34,507	1,37,458	97,049	
...	.....	116,25	236,325 *5,991	17,72,480	19,26,047	8,65,642	10,60,405	

STATISTICAL STATEMENTS

FOR

IRRIGATION WORKS, SIND,

FOR THE YEAR 1919-20.

B 1295—21

STATEMENT I-A.

Statement of Canals in the Indus Right Bank Division for the year 1919-20.

1	Major Works.					Minor works for which both Capital and Revenue Accounts are kept.			Minor works for which only Revenue Accounts are kept.		
	Begari Canal District.				Shikarpur Canals District.	Ghar Canals District.		Karachi Canals District.	Shikarpur Canals District.	Western Nara Canals District.	Kotri Canals District.
	Desert Canal	Unharwah.	Begari Canal.	Total.	Mahiwah.	Sukkur Canal.	Ghar Canal.	Sutrah Canal.	Other Canals.	Other Canals.	Other Canals.
	2	3	4	5	6	7	8	9	10	11	12
Source of supply of water ...	River Indus.	River Indus.	Wadhu Dhand *ex-* River Indus.	.....	Gudu Dhand *ex-* River Indus.	River Indus.	River Indus.	River Indus.	River Indus.	River Indus.	River Indus.
Minimum discharge of water C. ft. per second.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maximum discharge of Canal ...	4,135	2,607	7,987	.....	1,728	3,294	10,613	1,116	7,840	.....	.....
Average annual rainfall ... Inches.	3·37	3·75	3·59	.....	.....	2·47	2·63	23·44	3·97	3·21	1.356
Gross area commanded ... Acres.	388,985	246,970	751,680	1,387,635	200.251	246,713	505,649	60,976	477,924	990,586	6,158,771
Culturable area commanded ,,	388,985	214,056	680,521	1,283,562	145,445	162,118	395,944	23,757	381,917	715,718	1,799,088
Area irrigable by complete project ... ... ,,	129,660	112,025	340,260	581,945	99,000	90,000	250,000	23,757	229,640	405,311	1,295,923
Area irrigable at present ... ,,	129,660	112,025	340,260	581,945	99,000	90,000	250,000	16,870	229,640	397,696	262,713
Sanctioned estimate.											
Direct charges ... ... Rs.	27,35,316	7,58,330	24,79,571	60,03,717	15,17,356	14,37,813	5,79,259	1,80,079	.....	.....	.....
Indirect charges ... ... ,,											
Interest during construction. ,,	28,52,916	7,58,018	31,33,897	67,94,831	8,32,094	.....	.....	.....	.....	.....	.....
Total Estimate Rs. ...	55,88,232	15,46,848	56,63,468	1,27,98,548	23,49,450	14,37,813	5,79,259	1,80,079	.....	.....	.....
Expenditure to end of 1919-20.											
Direct charges ... ... Rs.	26,55,301	7,68,050	24,00,314	58,23,665	13,60,892	13,76,052	5,48,405	1,74,028	.....	.....	.....
Indirect charges ... ... ,,	80,015	20,780	79,257	1,80,052	58,792	61,761	30,854	6,051	.....	.....	.....
Interest during construction. ,,	28,52,916	7,58,018	31,33,897	67,94,831	8,32,094	.....	.....	.....	.....	.....	.....
Total Expenditure Rs. ...	55,88,232	15,46,848	56,63,468	1,27,98,548	22,71,778	14,37,813	5,79,259	1,80,079	.....	.....	.....
Works as now sanctioned.											
Main canals irrigation ... Miles.	96	34	78	208	29	72	39	30	180	(*a*) 340	458
Branch canals ... ... ,,	171	82	114	367	177	56	(*b*) 120	6	96	(*c*) 312	462
Distributaries ... ... ,,	69	5	52	126	87	.....	144	.....	.....	16	.....
Of above—											
Navigable canals ... Miles.	4	.....	58	62	.....	.....	103	4	.....	(*d*) 266	164
Works completed at end of 1919-20.											
Main canals irrigation ... Miles.	96	34	78	208	29	72	39	30	180	340	458
Branch canals ... ... ,,	171	82	114	367	177	56	120	6	96	312	462
Distributaries ... ... ,,	69	5	52	126	87	.....	144	.....	.....	16	.....
Of above—											
Navigable canals ... Miles.	4	.....	58	62	.....	.....	103	4	.....	266	164

(*a*) Decrease of 11 miles is due to Canals shah Pango and Butho (10 miles) having been abandoned and error of one mile in actual length.
(*b*) Difference of one mile due to error in the actual length.
(*c*) Difference of one mile due to error in the actual length.
(*d*) Decrease of one mile is due to the erosion of the River at the head of Kotah Sial.

STATEMENT

Statement of Canals in the Indus

	Major Works.								
	Jámráo Canal District.	Nasrat Canal District.			Eastern Nára District				
	Jámráo Canal.	Dád Canal.*	Nasrat Canal.	Total.	Nára Supply Channel.	Eastern Nára.	Mithráo Canal.	Thár Canal.	Khipro Canal.
1	2	3	4	5	6	7	8	9	10
Source of supply of water	Eastern Nára.	Indus.	Indus.	...	Indus.	Nára Supply Channel.	Eastern Nára.	Eastern Nára.	Eastern Nára.
Minimum discharge of River... C. ft. per second.	.....	(a) 29,472	(a) 29,742	...	(a) 29,472	...	...	...	...
Maximum discharge of Canal .. „ „	3,108	4,584	2,700	...	...	...	2,800	1,400	200
Average annual rainfall ... ... Inches.	7·65	3·15	2·39	...	...	9·51	6·75	14·48	9·54
Gross area commanded ... ... Acres.	870,850	682,297	383,700	1,065,997	151,400	789,991	437,559	158,039	35,743
Culturable area commanded ... ... „	825,423	352,154	323,511	675,665	25,000	501,750	406,820	136,000	33,745
Area irrigable annually by complete project . „	300,000	156,685	104,100	260,785	12,200	90,900	143,500	50,000	8,000
Area irrigable at present ... ... „	275,141	105,285	82,000	187,285	9,000	58,400	132,000	50,000	8,000
Sanctioned Estimate.									
Direct charges ... ... Rs.	90,55,843	26,64,378	18,63,960	45,28,338	...	...	...	...	...
Indirect charges ... ... „									
Interest during construction ... ... „	64,36,508	16,65,549	11,02,604	27,68,153	...	...	...	...	...
Total Estimate ... Rs.	1,54,92,351	43,29,927	29,66,564	72,96,491	...	...	...	...	...
Expenditure to end of 1919-1920.									
Direct charges ... ... Rs.	87,80,022	25,64,637	18,05,807	43,70,444	...	...	...	...	...
Indirect charges ... ... „	2,61,532	93,669	58,153	1,51,822	...	...	...	...	...
Interest during consrtuction ... ... „	64,36,508	16,65,549	11,02,604	27,68,153	...	...	...	...	...
Total Expenditure ... Rs.	1,54,78,062	43,23,855	29,66,564	72,90,419	...	...	...	...	...
Works as now sanctioned.									
Main Canals Irrigation ... ... Miles.	118	96	97	193	12	(d) 320	97	24	38
Branch Canals ... ... „	58	193	95	288	...	...	49	48	5
Distributaries ... ... „	493	(c) 158	118	276	...	...	68	18	...
Of the above—									
Navigable Canals ... ... Miles.	.....	...	...	...	12	320	92	...	...
Works completed to end of 1919-1920.									
Main Canals Irrigation ... ... Miles.	118	87	79	166	12	(d) 320	96	24	15
Branch Canals ... ... „	58	192	136	328	...	...	49	48	...
Distributaries ... ... „	493	(c) 129	69	198	...	...	60	18	...
Of the above—									
Navigable Canals ... ... Miles.	... ..	...	...	...	12	320	92	...	...

* ncludes figures for Ren Distributary, *ex*- Dád.
(*a*) Minimum discharge of Indus at Bukkur.
(*b*) Do. at Kotri.
(*c*) Includes 38 miles of Ren Distributary *ex*-Dád.
(*d*) Practically a river.

I-A—*concluded.*

Left Bank Division for the year 1919-1920.

		Minor Works for which Capital and Revenue Accounts are kept.							Minor Works for which only Revenue Accounts are kept.		
		Hyderabad Canals District.				Fuleli Canals District.			Nasrat Canals District.	Hyderabad Canals District.	Fuleli Canals District.
Hiral Canal.	Total.	Alibahar Kacheri.	Great Marak.	Sarfraz.	Total.	Fuleli Canal.	Hasanali-Canal.	Total.	Total.	Total.	Total.
11	12	13	14	15	16	17	18	19	20	21	22
Eastern Nára.	.....	Indus.	Indus.	Indus.	...	Indus.	Indus.	...	Indus.	Indus.	Indus.
.....	.....	(a) 29,472	(a) 29,472	(a) 29,472	...	(b) 27,778	(b) 27,778	...	(a) 29,472	(a) 29,472	(b) 27,778
250	.....	832	2,321	743	...	10,000	1,000	...	...	...	...
11·69	.....	3·44	3·51	6·78	...	10·90	10·36	...	...	...	9·15
55,480	1,628,212	75,500	240,000	165,000	480,500	1,703,000	144,000	1,847,000	700,000	930,000	147,800
49,690	1,153,005	51,900	238,400	139,400	429,700	1,437,500	84,000	1,521,500	290,197	827,370	111,000
15,700	320,300	18,300	58,350	40,800	117,450	400,000	21,000	421,000	111,800	215,800	35,000
20,000	277,400	18,300	58,350	40,800	117,450	400,000	19,000	419,000	70,000	215,800	30,000
.....	75,48,589	23,917	4,22,744	1,24,680	5,71,341	20,47,527	3,04,805	23,52,332	...	...	...
.....	1,06,45,334	...	...	...	...	...	...	...	...	...	...
.....	1,81,93,923	23,917	4,22,744	1,24,680	5,71,341	20,47,527	3,04,805	23,52,332	...	...	...
.....	70,80,691	23,207	4,23,441	1,18,559	5,65,207	19,74,646	2,89,929	22,64,575	...	...	...
.....	2,45,432	710	15,701	6,121	22,532	72,881	14,876	87,757	...	...	...
.....	1,06,45,334	...	...	...	...	...	...	...	...	...	...
.....	1,79,71,457	23,917	4,39,142	1,24,680	5,87,739	20,47,527	3,04,805	23,52,332	...	...	...
19	510	26	26	79	131	100	34	134	115	137	65
22	124	32	146	34	212	876	46	922	142	442	69
13	99	...	...	...	...	29	14	43	15	...	4
.....	424	22	22	30	74	328	39	367	...	105	10
19	486	26	24	79	129	100	34	134	115	137	65
22	119	32	146	34	212	876	46	922	141	440	69
12	90	...	...	...	...	28	14	42	15	...	4
.....	424	22	22	30	74	328	39	367	...	105	10

STATEMENT

Capital Account of Irrigation Works

Name of Work.	During Year.								
	Direct Charges.						Indirect Charges.		
	Works.	Establishment.	Tools and Plant.	Total.	*Deduct* Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.
1	2	3	4	5	6	7	8	9	10
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
PRODUCTIVE WORKS.									
1. Desert Canal	421	67	8	496	...	496	...	9	9
2. Unharwáh	...	...	...	...	...	...	...	...	...
3. Begári Canal	-2,464	-394	—48	-2,906	...	-2,906	6	-55	—49
4. Mahiwáh	...	...	...	...	...	...	...	...	...
5. Eastern Nára Works	85,504	30,766	1,078	1,17,348	...	1,17,348	...	4,307	4,307
6. Jamráo Canal	56,954	10,455	1,062	68,471	...	68,471	...	1,464	1,464
7. Dád do	-2,253	-810	—28	—3,091	...	—3,091	...	—113	—113
8. Nasrat do.	—706	-265	—9	—970	...	—970	...	—36	—36
9. Naulákhi do.	...	...	...	...	...	...	...	...	...
10. Sukkur Barrage Works	...	...	...	...	...	...	...	...	...
11. Seharwah	14,944	2,389	291	17,624	...	17,624	...	334	334
Total ...	1,52,400	42,218	2,354	1,96,972	...	1,96,972	6	5,910	5,916
MINOR WORKS AND NAVIGATION.									
12. Sukkur Canal	...	...	...	...	...	...	...	...	...
13. Ghar do.	...	...	...	...	...	...	...	...	...
14. Suttah do.	...	...	...	...	...	...	...	...	...
15. Alibahar Kacheri Canal...	...	...	...	...	...	...	...	...	...
16. Márak Great do.	76,343	26,707	963	1,04,013	...	1,04,013	...	3,739	3,739
17. Sarfrazwah	...	...	...	...	...	...	...	...	...
18. Fuleli Canal	...	...	...	...	...	...	...	...	...
19. Hasanali do.	...	...	...	...	...	...	...	...	...
Total ...	76,343	26,707	963	1,04,013	...	1,04,013	...	3,739	3,739
GRAND TOTAL ...	2,28,743	68,925	3,317	3,00,985	...	3,00,985	6	9,649	9,655

I-B.

in Sind for and to end of 1919-1920.

Grand Total.	To end of Year.									
	Direct Charges.						Indirect Charges.			Grand Total.
	Works.	Establishment.	Tools and Plant.	Total.	*Deduct* Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.	
11	12	13	14	15	16	17	18	19	20	21
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
505	21,44,134	4,85,773	25,431	26,55,338	37	26,55,301	2,284	77,731	80,015	27,35,316
...	6,31,222	1,34,479	2,349	7,68,050	...	7,68,050	1,953	18,827	20,780	7,88,830
—2,955	20,35,717	3,59,188	5,428	24,00,333	19	24,00,314	17,931	61,326	79,257	24,79,571
...	11,27,521	2,43,877	9,500	13,80,898	6	13,80,892	24,649	34,143	58,792	14,39,684
1,21,655	55,89,465	14,17,116	74,286	70,80,867	176	70,80,691	3,084	2,42,348	2,45,432	73,26,123
69,935	70,75,356	15,18,628	(1,82,413 (e)4,606	87,81,003	981	87,80,022	48,924	2,12,608	2,61,532	90,41,554
—3,204	21,72,433	3,72,970	19,268	25,64,671	34	25,64,637	41,453	52,216	93,669	26,58,306
—1,006	15,46,213	2,52,893	6,859	18,05,965	158	18,05,807	22,749	35,404	58,153	18,63,960
...	4,876	236	...	5,112	...	5,112	...	33	33	5,145
...	—284	.....	...	—284	...	—284	...	...	...	—284
17,958	14,944	2,389	291	17,624	...	17,624	...	334	334	17,958
2,02,888	2,23,41,597	47,87,549	3,30,431	2,74,59,577	1,411	2,74,58,166	1,63,027	7,34,970	8,97,997	2,83,56,163
...	11,49,150	2,13,361	13,701	13,76,212	160	13,76,052	20,466	41,295	61,761	14,37,813
...	4,46,950	98,471	2,984	5,48,405	...	5,48,405	12,536	18,318	30,854	5,79,259
...	1,40,133	31,819	2,076	1,74,028	...	1,74,028	1,597	4,454	6,051	1,80,079
...	19,636	3,548	23	23,207	...	23,207	...	710	710	23,917
1,07,752	3,33,043	87,028	3,450	4,23,521	80	4,23,441	1,554	14,147	15,701	4,39,142
...	1,03,432	15,097	30	1,18,559	...	1,18,559	3,102	3,019	6,121	1,24,680
...	16,15,751	3,50,001	9,398	19,75,150	504	19,74,646	14,412	58,469	72,881	20,47,527
...	2,35,342	49,286	5,301	2,89,929	...	2,89,929	7,976	6,900	14,876	3,04,805
1,07,752	40,43,437	8,48,611	36,963	49,29,011	744	49,28,267	61,643	1,47,312	2,08,955	51,37,222
3,10,640	2,63,85,034	56,36,160	3,67,394	3,23,88,588	2,155	3,23,86,433	2,24,670	8,82,282	11,06,952	3,34,93,385

(e) Suspense Account.

R. B. DHURU,
Assistant Accounts Officer, Bombay.

STATEMENT

Statement showing the Financial Results of Irrigation

Realizations under main heads of

Works.	Revenue (Actual Receipts).											Revenue Manage		
	Irrigation.											Establishment.		
	Direct.	Indirect.												
	Water-rates directly paid.	Share of Land Revenue.	4 per cent. on ⅞ths of proceeds from sale of occupancy rights in waste or other lands up to end of year.	Total.	Total.	Plantation.	Miscellaneous.	Total.	*Less*—Refunds of Revenue.	Gross Revenue less Refunds.	*Deduct*—Share due to old Irrigation.	Total Revenue due to Improvement.	Direction.	Executive.	Civil Officers.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Productive Works.															
1. Desert Canal ...	78,907	3,29,611	2,219	3,31,830	4,10,737	68	3,151	4,13,956	...	4,13,956	...	4,13,956	...	16,074	22,002
2. Unharwáh ...	143	2,02,379	3,060	2,05,439	2,05,582	41	1,214	2,06,837	...	2,06,837	...	2,06,837	...	4,441	12,164
3. Begári Canal ...	24,999	5,85,650	9,528	5,95,178	6,20,177	12	2,407	6,22,596	...	6,22,596	33,613	5,88,983	...	17,847	38,963
4. Mahiwáh ...	388	1,65,195	3,278	1,68,473	1,68,861	33	2,151	1,71,045	...	1,71,045	1,10,497	60,548	...	16,741	12,238
5. Eastern Nára Works.	2,446	5,63,593	4,400	5,67,993	5,70,439	118	24,233	5,94,790	...	5,94,790	3,444	5,91,346	...	51,423	34,322
6. Jámrão Canal ...	1,706	7,51,617	73,410	8,25,027	8,26,733	1,630	70,399	8,98,762	472	8,98,290	...	8,98,290	...	82,438	23,552
7. Dád do. ...	923	2,66,764	8,307	2,75,071	2,75,994	5	1,316	2,77,315	70	2,77,245	83,913	1,93,332	...	36,073	19,097
8. Nasrat do. ...	67	2,50,032	13,886	2,63,918	2,63,985	4	922	2,64,911	10	2,64,901	72,854	1,92,047	...	29,774	15,881
9. Naulákhi do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10. Scharwah do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
11. Sukkur Barrage Works ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	1,09,579	31,14,841	1,18,088	32,32,929	33,42,508	1,911	1,05,793	34,50,212	552	34,49,660	3,04,321	31,45,339	...	2,54,811	1,78,219
MINOR WORKS AND NAVIGATION.															
12. Sukkur Canal ...	1,140	2,83,793	851	2,84,644	2,85,784	63	2,293	2,88,140	...	2,88,140	84,806	2,03,334	...	...	20,492
13. Ghár do. ...	3,429	9,80,876	7,609	9,88,485	9,91,914	120	5,191	9,97,225	...	9,97,225	1,35,512	8,61,713	...	...	64,520
14. Suttah do. ...	4	32,851	918	33,769	33,773	...	111	33,884	...	33,884	16,145	17,739	...	...	2,134
15. Alibahar Kacheri Canal ...	383	22,497	840	23,337	23,720	...	396	24,116	...	24,116	17,505	6,611	...	...	2,073
16. Marak Great Canal...	2,178	1,75,647	3,406	1,79,053	1,81,231	98	3,114	1,84,443	...	1,84,443	59,437	1,25,006	...	...	13,047
17. Sarfrazwáh ...	723	48,100	1,294	49,394	50,117	...	903	51,020	...	51,020	18,806	32,214	...	...	3,682
18. Fuleli Canal ...	31,513	8,67,254	15,936	8,83,190	9,14,703	227	15,687	9,30,617	...	9,30,617	2,44,549	6,86,068	...	...	63,738
19. Hasanali Canal ...	50	44,321	695	45,016	45,066	...	616	45,682	...	45,682	5,916	39,766	...	...	2,729
Total ...	39,420	24,55,339	31,549	24,86,888	25,26,308	508	28,311	25,55,127	...	25,55,127	5,82,676	19,72,451	...	...	1,72,415
Grand Total ...	1,48,999	55,70,180	1,49,637	57,19,817	58,68,816	2,419	1,34,104	60,05,339	552	60,04,787	8,86,997	51,17,790	...	2,54,811	3,50,634
Works for which only Revenue Accounts are kept ...	18,325	25,00,820	50,956	25,51,776	25,70,101	1,666	2,091	26,03,858	7	26,03,851	...	26,03,851	...	...	51,317

I-C.

Works in Sind for the year ended 31st March 1920.

Revenue and Working Expenses.

ment.	Working Expenses.															Net Revenue.	
	Maintenance and Repairs.										*Deduct*—Old Maintenance Charges.						
	Establishment.																
Total Revenue Management.	Direction.	Executive.	Total.	Works.	Repairs.	Sundries.	Plantations.	Tools and Plant.	Total Cost of Maintenance.	Indirect Charges.	Grand Total Working Expenses.	Direct.	Indirect.	Total.	Total Working Expenses on Improvements.	Total.	Due to Improvements.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
38,076	...	...	17,147	736	1,05,118	...	1,421	2,087	1,26,509	4,940	1,69,525	...	...	...	1,69,525	2,44,431	2,44,431
16,605	...	...	4,736	3,114	26,066	...	456	577	34,949	1,235	52,839	...	...	...	52,839	1,53,998	1,53,998
56,810	...	...	18,983	3,669	1,14,374	—27	1,062	2,318	1,40,379	5,582	2,02,771	8,757	2	8,759	1,94,012	4,19,825	3,94,971
28,979	...	...	17,757	15,476	86,037	...	10,213	2,174	1,31,657	4,810	1,65,466	21,007	273	21,280	1,44,186	5,679	—33,638
85,745	...	...	53,056	9,118	1,52,766	—3,446	1,272	2,251	2,15,017	14,627	3,15,389	344	...	344	3,15,045	2,70,401	2,76,391
1,05,990	...	...	84,880	22,200	2,18,867	—1,329	3,128	3,182	3,30,928	23,467	4,60,385	...	...	...	4,60,385	4,37,905	4,37,905
55,170	...	...	36,826	7,343	93,033	...	2,741	1,300	1,41,243	10,206	2,06,619	44,076	1,138	45,214	1,61,405	70,626	31,937
45,655	...	...	30,516	8,263	72,984	—556	3,864	1,073	1,16,144	8,440	1,70,239	19,355	453	19,808	1,50,431	94,662	41,616
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4,33,030	...	...	2,63,901	69,919	8,69,245	—5,358	24,157	14,962	12,36,826	73,377	17,43,233	93,539	1,866	95,405	16,47,828	17,06,427	14,97,511
20,492	...	...	15,103	1,587	99,055	...	152	1,962	1,17,859	2,115	1,40,486	13,256	106	13,362	1,27,104	1,47,674	76,230
64,520	...	...	17,028	16,070	97,104	—34	473	2,212	1,32,853	2,406	1,99,779	18,680	161	18,841	1,80,938	7,97,446	6,80,775
2,134	...	...	2,444	4,789	11,532	...	...	317	19,073	343	21,550	8,993	225	9,218	12,332	12,334	5,407
2,073	...	...	1,284	...	3,672	...	...	46	5,002	180	7,255	9,078	188	9,266	—2,011	16,861	8,632
13,047	...	...	10,972	748	30,615	...	...	395	42,730	1,537	57,314	22,978	427	23,405	33,909	1,27,129	91,097
3,632	...	...	4,033	...	11,543	...	...	146	15,727	566	19,975	7,651	170	7,821	12,154	31,045	20,060
63,738	...	...	68,600	18,338	1,77,093	—731	668	2,473	2,66,441	9,604	3,39,783	1,14,265	2,096	1,16,361	2,23,422	5,90,834	4,62,646
2,729	...	...	5,877	1,300	15,499	...	...	212	22,888	823	26,440	3,380	78	3,458	22,982	19,242	16,784
1,72,415	...	...	1,25,346	42,823	4,46,113	—765	1,293	7,763	6,22,573	17,574	8,12,562	1,98,281	3,451	2,01,732	6,10,830	17,42,565	13,61,621
6,05,445	...	...	3,89,247	1,12,742	13,15,358	—612.3	25,450	22,725	18,59,399	90,951	25,55,795	2,91,820	5,317	2,97,137	22,58,658	34,49,992	28,59,182
1,51,817	...	...	1,54,044	89,033	7,60,329	27,636	...	15,612	10,46,654	...	11,97,971	...	...	...	11,97,971	14,05,880	14,05,880

R. B. DHURU,
Assistant Accounts Officer, Bombay.

STATEMENT

Statement showing the Financial Results of Irrigation

No.	Name of work.	Mileage in operation.		General Financial results to end of				
		Main canals and branches.	Distributaries.	Estimated cost of construction (direct and indirect).	Date of completion of work (P. W. Code II, 1913).	Date when system first came into operation.	Total Capital Outlay (direct and indirect)	Accumulated arrears of interest.
1	2	3	4	5	6	6a	7	8
	MAJOR WORKS. PRODUCTIVE WORKS.	Miles.	Miles.	Rs.	Date.	Date.	Rs.	Rs.
1	Desert Canal	267·00	69·00	27,35,316	1891-92	1872-73	27,35,316	.....
2	Unharwáh	116·00	5·00	7,88,830	1890-91	1885-86	7,88,830	.....
3	Begári Canal	192·00	52·00	24,79,571	1890-91	1855 56	24,79,571	.....
4	Mahiwáh	293·00	...	15,17,356	Not completed.	1901-02	14,39,684	7,76,569
5	Eastern Nára	621·87	...	75,48,589	1897-98	1854-55	73,26,123	.....
6	Jámráo Canal	176·00	493·00	90,55,843	1901-02	1900-01	90,41,554	.....
7	Dád do.	278·78	91·46	26,64,378	1906-07	1901-02	26,58,306	7,54,428
8	Nasrat do.	214·84	69·12	18,63,960	1906-07	1903-04	18,63,960	1,95,739
9	Seharwah do.	...	...	8,79,525	Not completed.	...	17,958	523
10	Naulákhi do.	...	...	12,62,554	Not completed.	...	5,145	2,968
11	Sukkur Barrage Works	...	...	.....	Not started.		-284	-64
	Total ...	2,159·49	779·58	3,07,95,922	...	...	2,83,56,163	17,30,163
	MINOR WORKS AND NAVIGATION.							
12	Sukkur Canal	123·10	...	14,37,813	1885-86	1870-71	14,37,813	.....
13	Ghár do.	302·88	...	5,79,259	1878-79	1856-57	5,79,259	.....
14	Suttah do.	36·00	...	1,80,079	1909-10	1904-05	1,80,079	39,564
15	Alibahar Kacheri	53·50	...	23,917	1875-76	1873-74	23,917	.....
16	Marak Great	169·90	...	4,22,744	1881-82	1873-74	4,39,142	.....
17	Surfrazwah	112·60	...	1,24,680	1875-76	1873-74	1,24,680	.....
18	Fuleli Canal	1,004·00	...	20,47,527	1892-93	1861-62	20,47,527	.....
19	Hasanali	94·00	...	3,04,805	1906-07	1903-04	3,04,805	.....
	Total ...	1,905·98	....	51,20,824	...	...	51,37,222	39,564
	GRAND TOTAL ...	4,065·47	779·58	3,59,16,746	...	...	3,34,93,385	17,69,727

II-C.

Works in Sind for, and up to the end of, 1919-20.

1919-20.		FINANCIAL RESULTS OF THE YEAR 1919-20.									
Accumulated surplus revenues.	Total sum-at-charge (column 7 + column 8).	Gross receipts (direct and indirect).	Working expenses (direct and indirect).	Net revenue.	Percentage on Capital Outlay, column 7.	Percentage on sum-at-charge, column 10.	Interest at 3·4076 per cent. on direct Capital Outlay to end of 1916-17 & at 5·9328 per cent. on subsequent expenditure.	Net profit.	Net loss.	Area irrigated.	Percentage of working expenses to receipts (column 11 to column 12).
9	10	11	12	13	14	15	16	17	18	19	20
Rs.	Rs.	Rs.	Rs.	Rs.	Per cent.	Per cent.	Rs.	Rs.	Rs.	Acres.	Per cent.
28,16,207	27,35,316	4,13,956	1,69,525	2,44,43	8·94	8·94	90,831	1,53,600	...	201,532	40·95
23,34,515	7,88,830	2,06,837	52,839	1,53,998	16·99	16·99	26,172	1,27,826	...	88,546	25·55
85,51,205	24,79,571	5,88,983	1,94,012	3,94,971	15·93	15·93	82,584	3,12,387	...	266,569	32·94
...	22,16,253	60,548	1,44,186	-83,638	...	...	47,051	...	1,30,689	60,421	238·13
42,98,233	73,26,123	5,91,346	3,15,045	2,76,301	3·77	3·77	2,45,398	30,903	...	229,597	53·28
10,64,747	90,41,554	8,98,290	4,60,385	4,37,905	4·84	4·84	3,02,099	1,35,806	...	257,939	51·25
...	34,12,734	1,93,332	1,61,405	31,927	1·20	0·94	87,182	...	55.255	100,216	83·49
...	20,59,699	1,92,047	1,50,431	41,616	2·23	2·02	61,420	...	19,804	83,067	78·33
...	18,481	...	...	...	...	...	523	...	523	...	...
...	8,113	...	...	...	...	...	174	...	174	...	...
...	-348	...	...	...	...	...	-10	...	-10	...	...
1,90,84,907	3,00,86,326	31,45,339	16,47,828	14,97,511	5·28	4·98	9,43,424	5,54,087	...	1,287,887	52·39
4,87,639	14,37,813	2,03,334	1,27,104	76,230	5·30	5·30	47,175	29,055	...	83,446	62·51
2,22,00,193	5,79,259	8,61,713	1,80,938	6,80,775	117·53	117·53	18,687	6,62,088	...	262,154	21·00
...	2,19,643	17,739	12,332	5,407	3·00	2·46	5,930	...	523	16,403	69·52
2,16,740	23,917	6,611	-2,011	8,622	36·05	36·05	791	7,831	...	10,514	...
20,48,686	4,39,142	1,25,006	33,909	91,097	20·74	20·74	16,799	74,298	...	71,726	27·13
4,14,061	1,24,680	32,214	12,154	20,060	16·09	16·09	4,040	16,020	...	24,994	37·73
95,80,911	20,47,527	6,86,068	2,23,422	4,62,646	22·60	22·60	68,554	3,94,092	...	396,381	32·57
1,31,078	3,04,805	39,766	22,982	16,784	5·51	5·51	9,880	6,904	...	19,398	57·79
3,50,79,308	51,76,786	19,72,451	6,10,830	13,61,621	26·50	26·30	1,71,856	11,89,765	...	885,016	30·96
5,41,44,215	3,52,63,112	51,17,790	22,58,658	28,59,132	8·54	8·11	11,15,280	17,43,852	...	2,172,903	44·13

R. B. DHURU,
Assistant Accounts Officer, Bombay.

STATEMENT III-C.

Demands and Realizations during the year 1919-1920 in Sind.

	Irrigation Works.	Balance of demands unrealized at commencement of year. (a)	Demands of year.	Total.	*Deduct*—Remissions including Cash Refunds.	Net Total.	*Deduct*—Amount unrealized at close of year.	Actual Total Receipts of year.	*Deduct*—Share due to old Irrigation.	Total Revenue due to Improvements.
	1	2	3	4	5	6	7	8	9	10
	MAJOR WORKS. PRODUCTIVE WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	Desert Canal	22,177	4,22,680	4,44,857	16,608	4,28,249	14,293	4,13,956	...	4,13,956
2	Unharwáh	428	2,06,658	2,07,086	...	2,07,086	249	2,06,837	...	2,06,837
3	Begári Canal	37,670	6,25,750	6,63,420	10,571	6,52,849	30,253	6,22,596	33,613	5,88,983
4	Mahiwáh	2,591	1,69,540	1,72,131	...	1,72,131	1,086	1,71,045	1,10,497	60,548
5	Eastern Nára Works ...	22,372	5,98,729	6,21,101	...	6,21,101	26,311	5,94,790	3,444	5,91,346
6	Jámráo Canal	8,763	8,97,858	9,06,621	472	9,06,149	7,859	8,98,290	...	8,98,290
7	Dád do.	11,853	2,86,621	2,98,474	355	2,98,119	20,874	2,772,45	83,913	1,93,332
8	Nasrat do.	20,477	2,52,555	2,73,032	60	2,72,972	8,071	2,64,901	72,854	1,92,047
9	Naulákhi do. (b) ...	...	...	...	...	...	...	...	...	...
10	Sukkur Barrage Works (c).	...	...	...	...	...	...	...	...	...
11	Seharwah Canal (b) ...	...	...	...	...	...	...	...	...	...
	Total, Major Works ...	1,26,331	34,60,391	35,86,722	28,066	35,58,656	1,08,996	34,49,660	3,04,321	31,45,339
	MINOR WORKS AND NAVIGATION.									
12	Sukkur Canal	6,472	2,86,964	2,93,436	...	2,93,436	5,296	2,88,140	84,806	2,03,334
13	Ghár do.	1,892	9,96,052	9,97,944	...	9,97,944	719	9,97,225	1,35,512	8,61,713
14	Suttah do.	97	33,927	34,024	...	34,024	140	33,884	16,145	17,739
15	Alibahar Kacheri Canal...	187	24,987	25,174	...	25,174	1,058	24,116	17,505	6,611
16	Marak Great do. ...	1,457	1,85,806	1,87,263	...	1,87,263	2,820	1,84,443	59,437	1,25,006
17	Sarafrazwáh	7,267	52,107	59,374	...	59,374	8,354	51,020	18,806	32,214
18	Fuleli Canal	12,953	9,23,960	9,36,913	238	9,36,675	6,058	9,30,617	2,44,549	6,86,068
19	Hasanali do.	150	45,979	46,129	...	46,129	447	45,682	5,916	39,766
	Total, Minor Works and Navigation ...	30,475	25,49,782	25,80,257	238	25,80,019	24,892	25,55,127	5,82,676	19,72,451
	GRAND TOTAL ...	1,56,806	60,10,173	61,66,979	28,304	61,38,675	1,33,868	60,04,787	8,86,997	51,17,790

(a) Correct balances as now reported by the Revenue Officers in Canal Returns—Nos. VIII-A and IX.

(b) Works under construction.

(c) Works not yet commenced as "49—Irrigation Works." Exchange on expenditure in England under "49—Irrigation Works" adjusted during the year 1913-14.

R. B. DHURU,
Assistant Accounts Officer, Bombay.

STATEMENT IVC.

STATEMENT

Statement showing the Financial Results of Irrigation Works in Sind

Principal Results of Operations

	Irrigation Works.	Capital Outlay (direct and indirect) to end of year.	Revenue assessed					
			Direct Revenue.				Indirect Revenue Revenue due to, operations canal	
			Occupier's rate.	Plantations.	Miscellaneous.	Total.	Share of Land Revenue.	4 per cent. on $\frac{9}{10}$ths of proceeds from sale of occupancy rights in waste or other lands up to end of year.
	1	2	3	4	5	6	7	8
	MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	PRODUCTIVE WORKS.							
1	Desert Canal	27,35,316	87,699	68	3,151	90,918	3,29,543	2,219
2	Unharwh	7,88,830	249	41	1,214	1,504	2,02,094	3,060
3	Begári Canal	24,79,571	29,862	12	2,407	32,281	5,83,941	9,528
4	Mahiwáh	14,39,684	748	33	2,151	2,932	1,63,330	3,278
5	Eastern Nára Works ...	73,26,123	4,177	118	24,233	28,528	5,65,801	4,400
6	Jámrao Canal	90,41,554	2,062	1,630	70,399	74,091	7,50,357	73,410
7	Dád do.	26,58,306	2,254	5	1,316	3,575	2,74,739	8,307
8	Nasrat do.	18,63,960	135	4	922	1,061	2,37,608	13,886
9	Naulákhi do.	5,145	...	...	...	...	.....	...
10	Sukkur Barrage Works ...	—284	...	...	...	...	.....	...
11	Saharwah Canal	17,958	...	...	...	...	.....	...
	Total, Major Works ...	2,83,56,163	1,27,186	1,911	1,05,793	2,34,890	31,07,413	1,18,088
	MINOR WORKS AND NAVIGATION.							
12	Sukkur Canal	14,37,813	1,668	63	2,293	4,024	2,82,089	851
13	Ghár do.	5,79,259	4,380	120	5,191	9,691	9,78,752	7,609
14	Suttah do.	1,80,079	47	...	111	158	32,851	918
15	Alibahar Kacheri Canal ...	23,917	370	...	396	766	23,381	840
16	Marak Great do. ...	4,39,142	2,365	98	3,114	5,577	1,76,823	3,406
17	Sarfrazwah	1,24,680	1,290	...	903	2,193	48,620	1,294
18	Fuleli Canal	20,47,527	32,527	227	15,687	48,441	8,59,583	15,936
19	Hasanali Canal	3,04,805	320	...	616	936	44,348	695
	Total, Minor Works and Navigation ...	51,37,222	42,967	508	28,311	71,786	24,46,447	31,549
	GRAND TOTAL ...	3,34,93,385	1,70,153	2,419	1,34,104	3,06,676	55,53,860	1,49,637

IV-C.

for the year ended 1919-1920, based on the Assessment of the year.

for the year ended 31st March 1920.

DURING THE YEAR.					WORKING EXPENSES.			NET REVENUE OF THE YEAR.		
—Land tion of										
Total.	Refunds of Revenue.	Grand Total.	*Deduct*— Share due to old Irrigation.	Total Revenue due to Improvements.	Total Charges, direct and indirect.	*Deduct*— Old Maintenance Charges.	Total Working Expenses on Improvements.	Total.	Due to Improvements.	Percentage on Capital Outlay to end of year (Improvements only).
9	10	11	12	13	14	15	16	17	18	19
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
3,31,762	...	4,22,680	...	4,22,680	1,69,525	...	1,69,525	2,53,155	2,53,155	9·26
2,05,154	...	2,06,658	...	2,06,658	52,839	...	52,839	1,53,819	1,53,819	19·50
5,93,469	...	6,25,750	33,613	5,92,137	2,02,771	8,759	1,94,012	4,22,979	3,98,125	16·06
1,66,608	...	1,69,540	1,10,497	59,043	1,65,466	21,280	1,44,186	4,074	—85,143	(a)
5,70,201	...	5,98,729	3,444	5,95,285	3,15,389	344	3,15,045	2,83,340	2,80,240	3·83
8,23,767	472	8,97,386	...	8,97,386	4,60,385	...	4,60,385	4,37,001	4,37,001	4·83
2,83,046	70	2,86,551	83,913	2,02,638	2,06619	45,214	1,61,405	79,932	41,233	1·55
2,51,494	10	2,52,545	72,854	1,79,691	1,70,239	19,808	1,50,431	82,306	29,260	1·57
...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...
32,25,501	552	34,59,839	3,04,321	31,55,518	17,43,233	95,405	16,47,828	17,16,606	15,07,690	5·32
2,82,940	...	2,86,964	84,806	2,02,158	1,40,466	13,362	1,27,104	1,46,498	75,054	5·22
9,86,361	...	9,96,052	1,35,512	8,60,540	1,99,779	18,841	1,80,938	7,96,273	6,79,602	117·32
33,769	...	33,927	16,145	17,782	21,550	9,218	12,332	12,377	5,450	3·03
24,221	...	24,987	17,505	7,482	7,255	9,266	—2,011	17,732	9,493	89·69
1,80,229	...	1,85,806	59,437	1,26,369	57,314	23,405	33,909	1,28,492	92,460	21·05
49,914	...	52,107	18,806	33,301	19,975	7,821	12,154	32,132	21,147	16·06
8,75,519	...	9,23,960	2,44,549	6,79,411	3,39,783	1,16,361	2,23,422	5,84,177	4,55,989	22·27
45,043	...	45,979	5,916	40,063	26,440	3,458	22,982	19,539	17,081	5·60
24,77,996	...	25,49,782	5,82,676	19,67,106	8,12,562	2,01,732	6,10,830	17,37,220	13,56,276	26·40
57,03 497	552	60,09,621	8,86,997	51,22,624	25,55,795	2,97,137	22,58,658	34,53,826	28,63,966	8·55

(a) No percentage is calculated, as the net revenue against the work is a minus figure.

R. B. DHURU,
Assistant Accounts Officer, Bombay.

General Abstract of Financial Results of Irrigation

	MAJOR WORKS—PRODUCTIVE WORKS.												MINOR WORKS AND NAVIGATION—AND REVENUE ACCOUNTS				
	In operation.								Works Under Construction.		Works not started.		Works				
	Desert Canal.	Unharwáh	Begári Canal.	Mahiwáh.	Eastern Nára Works.	Jámráo Canal.	Dád Canal.	Nasrat Canal.	Naulakhi Canal.	Sehar wah.	Sukkur Barrage works.	Total.	Sukkur Canal.	Ghár Canal.	Suttah Canal.	Alibahar Kacheri Canal.	Marak Great Canal.
Capital Outlay.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
During year—																	
Direct ...	496	...	—2,906	...	1,17,348	68,471	—3,091	—970	...	17,624	...	1,96,972	...	...	...	...	1,04,013
Indirect..	9	...	—49	...	4,307	1,464	—113	—36	...	334	...	5,916	...	...	...	...	3,739
Total ..	505	...	—2,955	...	1,21,655	69,935	—3,204	—1,006	...	17,958	...	2,02,888	...	...	...	...	1,07,752
To end of year—																	
Direct ...	26,55,801	7,63,050	24,00,314	13,80,592	70,80,691	87,83,022	25,64,637	18,05,897	5,112	17,624	284	2,74,58,166	13,76,052	5,48,405	1,74,028	23,207	4,23,441
Indirect..	80,015	20,780	79,257	58,702	2,45,432	2,61,532	93,669	58,153	33	324	...	8,97,997	61,761	30,854	6,051	710	15,761
Total ...	27,35,316	7,83,830	24,79,571	14,39,294	73,26,123	90,41,554	26,58,306	18,63,960	5,145	17,958	284	2,83,56,163	14,37,813	5,79,259	1,80,079	23,917	4,39,142
Gross Revenue.																	
During year—																	
Direct ..	82,126	1,398	27,478	1,110	26,797	73,963	636	252	...	...	...	2,11,728	3,406	8,746	57	779	5,390
Indirect...	3,31,830	2,05,439	5,61,585	59,438	5,64,549	8,25,037	1,93,073	1,91,795	...	...	...	29,33,616	1,99,838	8,52,973	17,681	5,832	1,19,614
Total ..	4,13,956	2,06,837	5,88,983	60,548	5,91,346	8,98,290	1,93,337	1,92,047	...	...	...	31,45,344	2,03,334	8,61,713	17,738	6,611	1,25,006
To end of year—																	
Direct ...	22,41,662	25,885	14,20,913	33,809	13,60,424	9,88,673	39,890	14,905	...	...	...	61,26,161	1,19,837	5,87,842	1,624	33,591	1,69,591
Indirect...	74,81,050	44,86,72	1,62,55,524	10,95,707	2,19,17,753	1,30,72,707	26,04,635	26,61,239	...	...	...	6,95,75,342	57,97,860	3,13,78,539	1,95,758	3,13,186	32,91,238
Total ...	97,22,712	45,12,612	1,76,76,437	11,29,516	2,32,78,177	1,40,61,380	26,44,525	26,76,14	...	...	...	7,57,01,503	59,17,697	3,19,66,381	1,97,382	3,46,777	34,54,764

Works in Sind for, and to end of, 1919-1920.

WORKS FOR WHICH CAPITAL ARE KEPT.				Grand Total.	MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.							Expenditure from Capital Receipts from Agriculture Works for which no Capital Accounts are kept.		
in operation.														
Sur-frazwáh.	Fuleli Canal.	Hasan-ali Canal.	Total.		Shikárpur Canals District.	Western Nára District.	Karáchi Canals District.	Nasrat Canals District.	Hyder-abad Canals District.	Fuleli Canals District.	Total.		Expend-iture.	Re-[illegible]
												BEGARI CANALS DISTRICT.	Rs	Rs.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Abad Branch Survey—Works	14	..
												Constructing a compound wall round the combined Store and Telegraph Office at T[illegible]—Works.	7[illegible]	...
												Trenching and strengthening 1[illegible] Loop—Repairs.	3[illegible],130	..
												Kashmore Bund—Repairs ...	62,291	...
												Begári Canal—Repairs	5,3[illegible]3	...
												Establishment	13,[illegible]44	..
												Tools and Plant	1,[illegible]2	...
												Share of collection charges	4,1[illegible]6	..
												Direct Receipts	...	[illegible] 8
												Irrigation share of consolidated Revenue.	...	[illegible] 10
...	...	...	1,04,013	3,00,985	...	...	...	...	...	...	...	Four per cent. on 9/10ths proceeds from sale of occupancy rights in lands.	...	3
												Total, Begári Canals District ...	1,17,[illegible]25	19,[illegible]2
...	...	...	3,739	9,655	...	...	...	...	...	...	...			
												SHIKARPUR CANALS DISTRICT.		
...	..	...	1,07,752	3,10,640	...	...	...	...	...	...	...	Preliminary work for making surveys lining out, etc. in connection with the Sehar Canal Project.—Works.	6,975	...
												Constructing a forest sluice at mile 3—5 of the flood division Bund of Nara—Works.	3,617	...
												Providing additional furniture in P. W. Inspector's Bungalow along Bunds in Shikarpur Canals District—Works.	100	...
												Constructing a pucca sluice over Forest Karia *ex* Kariawah mile 2-3 Right Bank—Works.	169	...
												Constructing a pucca sluice over Forest Karia *ex* Janihwah at mile 2-5 Right Bank—Works.	139	...
1,18,559	19,74,646	2,89,929	49,28,267	3,23,86,433	...	...	...	...	...	...	...	Constructing a pucca sluice over Forest Karia *ex* Janiawah at mile 3-7 Right Bank—Works.	144	...
												Constructing a pucca sluice over Forest Karia *ex* Dengrowah at mile 17 Right Bank—Works.	183	...
6,121	72,881	14,876	2,08,955	11,06,952	...	...	...	...	...	...	...	Railway Bungalow No. 14 with out houses at Rahi. { Works ...	1,062	...
												{ Repairs ...	243	...
												Constructing a loop to Sukkur Begari Bund miles 28-1 to 30—Repairs.	2,490	...
1,24,680	20,47,527	3,04,805	51,37,222	3,34,93,385	..	...	...	...	...	...	...	Maintenance of the Bunds constructed across Doras above Sukkur in connection with the training of the River Indus—Repairs.	122	...
												Recording flood passing through the Railway bridge between Rohri of Reli—Repairs.	205	...
												Constructing a loop to Sukkur Begari Bund miles 25 to 30-4—Repairs.	40,921	...
												Excavating a trench and filling it with earth along the embankment of the Beechangi Loop—Repairs.	8,003	...
												Bunds in Shikarpur Canals District Repairs.	43,980	...
												Garkino-Canal—Repairs	499	...
												Mahiwah ... { Works ...	88	...
												{ Repairs ...	10,087	...
												Establishment	18,258	...
												Tools and Plant	2,142	...
												Share of collection charges	10,381	...
												Direct Receipts	...	1,951
1,626	47,427	473	67,988	2,79,716	7,014	14,181	13,551	2,295	13,313	1,721	52,075	Irrigation share of Consolidated Revenue.	...	1,3[illegible],388
												Four per cent. on 9/10ths proceeds from sale of occupancy rights in lands.	...	1,701
30,588	6,38,641	39,293	19,04,468	48,33,079	5,35,349	10,40,843	3,87,874	2,36,858	2,88,613	62,239	25,51,776	Total, Shikárpur Canals District ...	1,40,806	1,37,580
32,214	6,86,068	39,766	19,72,451	51,17,705	5,42,363	10,55,024	4,01,425	2,39,153	3,01,926	63,960	26,03,851	GHAR CANALS DISTRICT.		
												Providing furniture in certain Inspection Bungalows in the Ghar Bunds—Works.	176	...
												Construction of a pucca Khuddá at mile 0-3 of Sukkur Canal for watering Kalunga Nursery—Works.	969	...
												Ghar Bunds—Repairs	13,268	...
												Sukkur Canal—Repairs	4,021	...
												Ghar Canal—Repairs	4,135	...
												Establishment	3,761	...
												Tools and Plant	261	...
												Share of collection charges	22,183	...
1,04,631	18,87,706	9,922	29,08,684	90,34,845	...	...	...	...	...	...	...	Direct Receipts...	...	18
												Irrigation share of Consolidated Revenue.	...	2,22,810
												Four per cent. on 9/10ths proceeds from sale of occupancy rights in lands.	...	36
11,49,683	1,99,65,722	6,17,544	6,27,09,525	13,22,84,867	...	...	...	...	...	...	...	Total, Ghar Canals District ...	47,794	2,23,034
2,54,314	2,18,53,428	6,27,466	6,56,18,209	14,13,19,712	...	...	...	...	...	...	...	Carried over ...	3,15,427	4,10,396

(a) Correction of Rs. 2,072 made subsequently in Canal Return No. VIII-A by Collector Karáchi.
(c) Correction of Rs. 2 made subsequently in Canal Return No. VIII-A by the Collector Hyderabad.

	MAJOR WORKS—PRODUCTIVE WORKS.											MINOR WORKS AND NAVIGATION— AND REVENUE ACCOUNTS				
	In operation.								Works under Construction.		Works not started.	Total.	Works			
	Desert Canal.	Unharwáh.	Begári Canal.	Mahiwáh.	Easter Náran Works.	Jámráo Canal.	Dád Canal.	Nasrat Canal.	Naulakhi Canal.	Seharwah.	Sukkur Barrage works.		Sukkur Canal.	Ghár Canal.	Sattah Canal.	Alibahar Kacheri Canal.	Marak Great Canal.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Working Expenses.																	
During year—																	
Direct ...	1,64,585	51,651	1,88,432	1,39,629	3,00,418	4,36,918	1,52,342	1,42,444	...	...	...	15,76,322	1,25,095	1,78,603	12,214	2,093	32,799
Indirect...	4,940	1,285	5,580	4,557	14,627	23,467	9,068	7,987	...	...	...	71,511	2,009	2,245	118	8	1,110
Total ...	1,69,525	52,939	1,94,012	1,44,186	3,15,045	4,60,385	1,61,410	1,50,431	...	...	...	16,47,833	1,27,104	1,80,938	12,332	2,011	33,909
To end of year—																	
Direct ...	39,61,907	13,94,675	58,05,051	16,57,723	80,63,869	62,09,757	16,31,732	17,18,095	...	...	...	2,98,92,814	27,99,424	86,40,654	1,43,462	85,026	10,12,822
Indirect...	91,092	25,404	1,36,284	16,263	2,70,741	3,50,368	51,672	51,184	...	...	...	9,93,598	77,428	2,11,884	1,587	3,636	32,068
Total ...	40,53,589	14,20,079	59,41,335	16,73,991	83,34,610	65,60,125	16,83,404	17,69,279	...	...	...	3,08,86,412	28,76,852	88,52,538	1,45,049	88,662	10,44,890
Net Revenue.																	
During year.	2,44,431	1,53,998	3,94,971	83,638	2,76,301	4,37,905	31,927	41,616	...	...	...	14,97,511	76,230	6,80,775	5,407	8,622	91,097
To end of year.	56,69,123	30,92,538	1,17,35,102	55,525	1,49,43,567	75,01,255	9,11,121	9,06,865	...	...	...	4,48,15,091	30,40,845	2,31,13,843	52,333	2,58,115	24,09,874

Works in Sind for, and to end of, 1919-1920—continued.

WORKS FOR WHICH CAPITAL ARE KEPT.				Grand Total.	MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.						
In operation.											
Sur-frazwáh.	Fuleli Canal.	Hasan-ali Canal.	Total.		Shikár-pur Canals District.	Western Nára District.	Karáchi Canals District.	Nasrat Canals District.	Hyder-abad Canals District.	Fuleli Canals District	Total.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
11,758	2,15,914	22,237	5,96,707	21,73,029	2,13,761	4,54,301	2,84,522	75,881	1,29,964	39,592	11,97,971
396	7,508	745	14,123	85,634	...	...	...	...	...	...	...
12,154	2,23,422	22,982	6,10,830	22,58,663	2,13,761	4,54,301	2,84,522	75,881	1,29,964	39,592	11,97,971
6,05,753	91,15,658	3,23,349	2,27,26,648	5,26,19,462	...	...	...	...	...	...	...
20,403	2,73,019	9,964	6,34,989	16,28,587	...	...	...	...	...	...	...
6,26,156	93,93,677	3,33,313	2,33,61,637	5,42,48,049	...	...	...	...	...	...	...
20,060	4,62,646	16,794	13,61,621	28,59,132	3,28,602	6,00,723	1,16,903	1,63,322	1,71,862	24,368	14,05,880
6,28,158	1,24,59,751	2,93,653	4,22,56,572	8,70,71,663	...	...	...	...	...	...	...

Expenditure on and Receipts from Agricultural Works for which neither Capital nor Revenue Accounts are kept.

	Expenditure.	Receipts.
	Rs.	Rs.
Brought over ...	3,15,427	4,1 [illegible]
KARÁCHI CANALS DISTRICT.		
Preparing fresh designs and estimates for a project for Sukkur Barrage for 1919-20—Works.	5,331	...
New Retired Belos Loop—Repairs ...	3,32,112	...
S. R. to signallers' quarters at Sadhapur—Repairs.	67	...
S. R. to signallers' quarters at Pinyari Head—Repairs.	65	...
S. R. to II Class, Inspection Bungalow at Jungho Jalbani—Repairs.	69	...
S. R. to subordinate Landhi at Jungho Jalbani—Repairs.	127	...
Constructing a loop to the Baghar Uchito Bunds, miles 5/2 to 8/7—Repairs.	94,192	...
S. R. to Inspection Bungalows at Sawalpur—Repairs.	158	...
Constructing new Thahimani Gulal loop—Rpairs.	2,09,382	...
Bunds, Right Bank ... Works ...	34,709	...
Repairs ...	28,200	...
Bunds, Left Bank ... Works ...	44,996	...
Repairs ...	1,04,739	...
Suttah Canal ... Works ...	1,994	...
Repairs ...	4,267	...
Establishment	1,69,971	...
Tools and Plant	16,631	...
Share of collection charges	1,488	...
Direct Receipts	...	1,596
Irrigation share of consolidated Revenue.	...	24,137
Four per cent. on 9/10ths proceeds from sale of occupancy rights in lands.	...	532
Total, Karáchi Canals District ...	10,48,512	24,264
KARÁCHI BUILDINGS DISTRICT.		
Making surveys on the Indus River—Works.	19,344	...
Demarcating the boundaries between Sind and Bahavalpur State—Works.	488	...
Maintenance of steamers, gauges and snagging the Indus—Repairs.	13,571	...
Store-room at Sukkur—Repairs ...	17	...
Indus River Commission office Kotri—Repairs.	410	...
Repairs to Beacons	150	...
Establishment	4,943	...
Tools and Plant	1,212	...
Direct Receipts	...	379
Total, Karáchi Buildings District...	39,134	379
Carried over ...	14,03,073	4,36,039

General Abstract of Financial Results of Irrigation

	MAJOR WORKS—PRODUCTIVE WORKS.												MINOR WORKS AND NAVIGATION—AND REVENUE ACCOUNTS				
	In operation.								Under construction.		Works not started.	Total.	Works				
	Desert Canal.	Unharwáh	Begári Canal.	Mahiwáh.	Eastern Nára Works.	Jámráo Canal.	Dád Canal.	Nasrat Canal.	Naulakhi Canal.	Scharwah.	Sukkur Barrage works.		Sukkur Canal.	Ghár Canal.	Suttah Canal.	Alibahar Kacheri Canal.	Marak Great Canal
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.
Simple Interest.																	
During year.	96,831	26,172	82,584	47,051	2,45,398	3,02,099	87,182	61,420	174	523	10	9,43,424	...	...	...	...	...
To end of year.	28,52,916	7,58,018	31,83,897	8,32,094	1,06,45,334	64,36,508	16,65,549	11,02,604	2,968	523	64	2,74,80,347	...	...	...	...	...

Works in Sind for, and to end of, 1919-1920—continued.

WORKS FOR WHICH CAPITAL ARE KEPT.					MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.						
in operation.											
Sur-[illegible]razwáh.	Fuleli Canal.	Hasan-ali Canal.	Total.	Grand Total.	Shikárpur Canals District.	Western Nára District.	Karáchi Canals District.	Nasrat Canals District.	Hyderabad Canals District.	Fuleli Canals District.	Total.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...

[illegible]

	Rs.	Rs.
Brought over ...	[illegible]	[illegible]
Western Nara District.		
Raising and strengthening Western Nara Bunds Dadu Sub-[illegible] miles 81 to 101—4—Works.	4,23[illegible]	...
Raising and strengthening Western Nara Bunds from miles 34—5 to 67—2 in Pritchard Sub-division—Works	97	
Raising and strengthening the Abad Bunds from mile 3 to 11—Works.	1,412	...
Nara Bunds ... Works	1 196	...
Nara Bunds ... Repairs	1,35,921	...
Manjhand Bund Works	2[illegible]	...
Manjhand Bund Repairs	1,065	...
Establishment	21,726	...
Tools and plant	2,8[illegible]3	...
Share of collections charges... ...	570	...
Direct Receipts	...	812
Irrigation share of consolidated Revenue.	...	9,5[illegible]4
Four per cent. on $\frac{9}{10}$ths proceeds from sale of occupancy rights in lands.	...	2[illegible]
Total, Western Nara District ...	1,70,126	9,9[illegible]
Nasrat Canals District.		
Constructing a Bund from Harburt to Gharo Alibahar.—Works.	14	...
Chowki at Daulatpur. Works	1,114	...
Chowki at Daulatpur. Repairs	415	...
Providing Canal Chowki furniture in P. W. D., Inspection bungalows in Nasrat Canals—Works.	135	...
Bunds in the Nasrat Canals District - Repairs.	4,608	...
Dad Canal ... Works	4,608	...
Dad Canal ... Repairs	23,211	...
Nasrat Canal ... Works	196	...
Nasrat Canal ... Repairs	10,709	...
Establishment	13,565	...
Tools and Plant	300	...
Share of collection charges	13,115	...
Direct Receipts	...	3,541
Irrigation share of consolidated Revenue.	...	1 52 225
4 per cent on 9/10th proceeds from sale of occupancy rights in lands.	..	996
Total, Nasrat Canals District ...	71,990	1,56,762
Carried over ...	16,45,16[illegible]	6 01,727

	MAJOR WORKS—PRODUCTIVE WORKS.												MINOR WORKS AND NAVIGATION—AND REVENUE ACCOUNTS				
	In operation.								Under construction.		Works not started.	Total.	Works				
	Desert Canal.	Unharwáh	Begári Canal.	Mahiwáh.	Eastern Nára Works.	Jámráo Canal.	Dád Canal.	Nasrat Canal.	Naulakhi Canal.	Seharwah.	Sukkur Barrage Works.		Sukkur Canal.	Ghár Canal.	Suttah Canal.	Alibahar Kacheri Canal.	Marak Great Canal.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Net profit after paying Interest.																	
During year	1,53,600	1,27,826	3,12,387	1,30,689	30,903	1,25,806	55,255	19,804	174	523	10	5,54,037	...	...	...	...	...
To end of year.	28,16,207	23,34,515	85,51,205	−7,76,569	42,98,233	10,64,747	7,54,428	1,95,739	2,968	523	64	1,73,34,744	...	...	...	...	...

Works in Sind for, and to end of, 1919-1920—concluded.

WORKS FOR WHICH CAPITAL ARE KEPT.				Grand Total.	MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.						
in operation.			Total.		Shikárpur Canals District.	Western Nara District.	Karáchi Canals District.	Nasrat Canals District.	Hyderabad Canals District.	Fuleli Canals District.	Total.
Surfrazwáh Canal.	Fuleli Canal.	Hasanali Canal.									
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...

Expenditure on and Receipts from Agricultural Works for which neither Capital nor Revenue Accounts are kept.	Expenditure.	Receipts.
	Rs.	Rs.
Brought over ...	16,45,189	6,01,727
HYDERABAD CANALS DISTRICT.		
Rehiwah Bunds—Repairs	1,853	...
Alibahar Kacheri—Repairs	5,988	...
Marak Great—Repairs	13,987	...
Surfrazwah—Repairs	4,557	...
Establishment	6,248	...
Tools and Plant	23	...
Share of collection charges	9,575	...
Irrigation share of consolidated Revenue	...	95,748
Total, Hyderabad Canals District...	42,231	95,748
FULELI CANALS DISTRICT.		
Improvements to Gidu Bund from mile 0 to 0-6 Works	1,511	
Constructing Stone groynes to the Gidu Bunds—Repairs	76,473	
Strengthening the Gidu Bunds between mile 0-6 to 1-4—Repairs ...	73,497	
Jamshora Front Bund—Repairs ...	2,251	
River Bunds—Repairs ...	23,394	
Fuleli Canal—Repairs	74,842	
Hasanali Canal. Works	817	
Hasanali Canal. Repairs	1,583	
Establishment	77,491	
Tools and Plant	2,236	
Share of collection charges	24,872	
Direct Receipts	...	325
Irrigation share of consolidated Revenue	...	2,50,250
Four per cent. on 9/10ths of proceeds from sale of occupancy rights in lands	...	22
Total, Fuleli Canals District ...	3,58,967	2,50,597
EASTERN NÁRA DISTRICT.		
Preliminary expenses in connection with investigation and framing a project for building weirs across the Nara for the Khipra Nara Canal—Works	831	...
Establishment	290	...
Tools and plant	11	...
Share of collection charges	344	...
Irrigation share of consolidated Revenue	...	3,444
Total, Eastern Nára District ...	1,476	3,444
Grand Total ...	20,47,863	9,51,516

R. B. DHURU,
Assistant Accounts Officer, Bombay.

STATEMENT

Statement of Area irrigated by Irrigation Works

Name of Canal.		Area Irrigated in acres.			Net area irrigated after deducing area in which remissions were granted.			Number of days the canal was in flow.	
		Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.	Kharif.	Rabi.
1		2	3	4	5	6	7	8	9
MAJOR WORKS.		Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Days.	Days.
PRODUCTIVE WORKS.								*Indus Right*	
Shikárpur Canals District.	Máhiwáh	40,992	21,824	62,816	40,953	21,222	62,175	115	
Begári Canals District.	Desert Canal	140,542	67,262	207,804	118,715	54,202	172,917	239	
	Unhárwáh	52,439	38,792	91,231	50,634	33,715	84,349	156	
	Begári Canal	208,465	105,361	308,826	194,162	99,760	293,922	190	
MINOR WORKS.									
WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.									
Ghár Canals District.	Sukkur Canal	68,015	43,046	111,061	67,860	42,509	110,369	104 | 138	
	Ghár Canal	226,683	135,874	362,557	225,135	133,766	358,901	175	
Karáchi Canals District.	Suttah Canal	15,966	904	16,870	11,678	428	12,106	107	
WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.									
Shikárpur Canals District.	Canals in Rohri... ...	38,250	18,820	57,070	37,989	18,638	56,627	104	
	Sind Canal	59,200	27,930	87,130	59,192	27,621	86,813	122	
	Rajib Canal	6,153	4,536	10,689	6,147	4,453	10600	122	
	Chitti Canal	5,212	4,622	9,834	5,201	4,581	9,782	111	
	Garang Canal	3,186	3,347	6,533	3,170	3,344	6,514	100	
Western Nára District.	Western Nára including Nára Feeder and Pritchard Canal.	212,539	137,248	349,787	203,565	128,193	331,758	195	
	Marvi	2,644	1,717	4,361	2,595	1,658	4,253	98	
	Dadu Canal	7,320	7,405	14,725	7,040	7,179	14,219	104	
	Phitta Canal	2,418	1,328	3,746	2,312	1,320	3,632	80	
	Chario Wahur (Aral) including Manchar.	5,610	24,243	29,853	4,026	17,057	21,083	121	
	Canals north of Kotri ...	5,018	4,282	9,300	4,790	4,094	8,884	99	
	Wahurwáh	1,801	2,061	3,862	1,801	2,013	3,814	98	
Karáchi Canals District.	Baghar	29,198	7,869	37,067	27,249	7,773	35,022	107	
	Pinyári	94,289	15,987	110,276	49,977	15,367	65,344	107	
	Kalri	15,685	3,322	19,007	12,433	3,277	15,710	107	
MAJOR WORKS.									
PRODUCTIVE WORKS.								*Indus Left*	
Jámráo Canal District.	Jámráo Canal	181,971	82,824	2,64,795	178,090	79,981	258,071	176 | 142	
Nasrat Canals District.	Dád Canal	87,293	16,958	104,251	86,908	16,782	103,690	103	
	Nasrat Canal	76,620	6,698	83,313	75,776	6,357	82,133	112	
Eastern Nára District.	Mithráo Canal	96,306	9,439	105,745	93,735	9,257	102,992	152 | 104	
	Thar Canal	44,409	7,328	51,737	41,864	7,154	49,018	200	
	Hiral Canal	14,789	1,977	16,766	13,338	1,966	15,304	214	
	Khipro Canal	2,253	168	4,421	2,253	158	2,411	102	
MINOR WORKS.									
WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.									
Hyderabad Canals District.	Alibaha' Kacheri ...	9,820	1,056	10,876	9,814	1,056	10,870	119	
	Great Márak	65,989	6,667	72,656	65,877	6,251	72,128	149	
	Sarfraz	22,543	2,554	25,097	22,485	2,554	25,039	112	
Fuleli Canals District.	Fuleli Canal	344,247	57,349	401,596	315,041	56,689	371,730	183 | 183	
	Hasanali Canal ...	18,020	1,580	19,600	15,551	1,418	16,969	121	
WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.									
Nasrat Canals District.	Mehrabwáh	7,168	421	7,589	7,154	409	7,563	112	
	Naulakhi	38,446	9,019	47,465	38,416	9,019	47,435	112	
	Dambro	10,830	2,710	13,540	10,749	2,710	13,459	122	

I-E.

in Sind during the year 1919-1920.

Average Discharge in cubic feet per second.				Area irrigated per cubic foot per second.				Depth of water used on area irrigated.		Remarks.
At Head.		Utilized.		At Head.		Utilized.				
Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	
10	11	12	13	14	15	16	17	18	19	20
C. ft.	C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Feet.	Feet.	
Bank Division.										
2,277		2,277		27		27		8·52		
2,197		2,197		79		79		6·05		
1,310		1,310		64		64		4·87		
4,201		4,201		70		70		5·43		
2,105 | 5,123	109	2,105 | 5,123	109	32 | 70	390	32 | 70	390	6·5 | 5·00	·71	
694		694		17		17		12·59		
1,590		1,590		36		36		5·78		
2,046		2,046		42		42		5·81		
190		190		56		56		4·36		
183		183		53		53		4·19		
124		124		53		53		3·77		
3,707		3,707		89		89		4·38		
95		95		45		45		4·36		
207		207		69		69		3·01		
}				Discharges incomplete.						
72		72		123		123		1·61		
242		242		16		16		12·25		
4,680		Not known.		7		...		30·57		
2,434		2,434		27		27		7·93		
693		693		23		23		9·30		
Bank Division.										
2,422 |	1,287	2,422 |	1,287	73 |	62	73 |	62	4·8 |	4·6	
3,310		3,310		31		31		6·6		
1,908		1,908		43		43		5·2		
1,883 | 783	344	1,883 | 783	344	50 | 62	27	50 | 62	27	6·1 | 6·4	7·7	
162		162		94		94		4·5		
25		25		96		96		2·1		
396		396		27		27		8·8		
1,074		1,074		67		67		4·4		
428		428		59		59		3·8		
7,166 | 641	1,345	6,847 | 641	970	44 | 26	27	46 | 26	58	8·6 | 9·3	6·3	
165		165		46		46		4·9		
1,212		1,212		39		39		5·7		
321		321		42		42		5·8		

STATEMENT II-E.

Statement showing Incidence of Working Expenses on Assessed Revenue on Canals in Sind, during the year 1918-1920.

Name of Canal.	Average discharge of the year at Canal Head in cubic feet per second.	Water-rate assessed during 1918-1919.					Gross Assessed Revenue from all sources.	Working Expenses, Direct and Indirect.	Area irrigated during the year.	Working Expenses.			80 per cent. of Net Consolidated Assessment.		Total Water Rate, Direct and Indirect.	
		Occupier's.	Owner's.	Total, Direct.	Indirect.	Total, Direct and Indirect.				Per cent. on Gross Revenue.	Per Acre Irrigated.	Per cubic foot per second of Canal Discharge at Canal Head.	Per acre irrigated.	Per cubic foot per second of discharge at Canal Head.	Per acre irrigated.	Per cubic foot per second of discharge at Canal Head.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Major Works.	C. ft.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Acres.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Productive Works.																
Shikárpur Canals District. Mahiwáh ...	2,277	748	...	748	1,66,608	1,67,356	1,69,540	1,65,366	60,421	97·6	2·74	72·67	2·70	71·73	2·77	73·50
Begári Canals District { Desert Canal ...	2,197	87,698	...	87,698	3,31,762	4,19,460	4,23,679	1,69,525	200,576	40·11	0·85	77·16	2·21	150·00	2·09	190·92
Unharwáh ...	1,310	249	...	249	2,05,154	2,05,403	2,06,658	52,839	88,580	25·57	0·60	40·34	2·28	154·27	2·32	156·80
Begári Canals ...	4,201	29,862	...	29,862	5,93,469	6,23,331	6,26,760	2,03,771	266,369	32·40	0·76	48·27	2·55	139·00	2·34	142·38
Jámráo Canal District. Jámráo Canal ...	1,918	2,062	...	2,062	3,23,767	3,25,829	3,97,396	4,00,385	257,939	51·30	1·78	240·03	2·01	391·22	3·20	430·57
Nasrat Canals District. { Dad Canal ...	3,310	2,251	...	2,254	2,83,046	2,85,300	2,86,551	2,06,619	100,216	72·11	2·06	62·42	2·74	83·00	2·85	86·19
Nasrat Canal ...	1,008	135	...	135	2,51,494	2,51,629	2,52,545	1,70,230	83,067	67·41	2·05	89·22	2·66	124·53	3·03	131·88
Eastern Nára District. { Mithrao Canal ...	1,250	404	...	404	2,78,667	2,79,071	2,81,717	1,43,591	105,157	50·43	1·36	114·05	2·65	231·02	2·65	231·66
Thar Canal ...	788	1,272	...	1,272	1,38,845	1,40,117	1,42,052	58,075	49,073	40·63	1·17	73·70	2·79	175·80	2·82	177·61
Eastern Nára ...	...	2,501	...	2,501	1,04,058	1,06,559	1,18,893	95,952	56,398	80·71	1·64	...	1·77	...	1·82	...
Hiral Canal ...	162	...	...	...	43,631	43,631	52,177	17,768	16,369	34·05	1·09	109·68	2·79	281·81	2·97	300·19
Total, Major Works ...	...	1,27,185	...	1,27,185	32,25,501	33,52,686	34,50,838	17,43,238	12,86,753	50·38	1·36	...	2·58	...	2·61	...
Minor Works.																
Works for which Capital and Revenue Accounts are kept.																
Ghár Canals District... { Sukkur Canal ...	2,214	1,668	...	1,668	2,82,940	2,84,608	2,86,964	1,40,466	83,468	48·95	1·68	63·44	3·43	127·41	3·41	128·55
Ghár Canal ...	5,123	4,350	...	4,380	9,86,364	9,90,744	9,96,055	1,99,770	262,474	20·06	0·76	39·00	3·87	191·05	3·78	193·30
Karáchi Canals District. Sattah Canal ...	694	47	...	47	33,769	33,816	33,927	21,550	16,421	63·52	1·31	31·05	2·02	47·33	2·06	48·73
Hyderabad Canals District. { Alibahar Kacheri	396	370	...	370	24,221	24,591	24,987	7,255	10,514	29·03	0·69	18·32	2·22	59·04	2·34	62·10
Great Márak ...	1,074	2,365	...	2,365	1,80,229	1,82,594	1,85,806	57,314	71,720	30·85	0·80	53·36	2·46	164·64	2·55	170·01
Sarfraz ...	428	1,290	...	1,290	49,914	51,204	53,107	19,975	24,994	38·33	0·80	46·67	1·95	113·90	2·06	119·64
Fuleli Canals District { Fuleli Canal ...	3,963	32,527	...	32,527	6,75,519	9,08,046	9,23,960	3,39,783	326,381	36·77	0·86	85·74	2·17	216·90	2·29	229·13
Hasanali Canal ...	641	320	...	320	45,043	45,363	45,979	26,440	19,398	57·50	1·36	41·25	2·28	69·19	2·38	76·77
Total, Minor Works ...	...	42,967	...	42,967	24,77,999	25,20,966	25,49,755	8,12,562	8,86,076	31·87	0·92	...	2·81	...	2·85	...
Grand Total ...	...	1,70,152	...	1,70,152	57,03,500	58,73,652	60,09,623	25,55,795	21,71,829	42·53	1·18	...	2·67	...	2·70	...

STATEMENT III—E.

STATEMENT III-E.

Statement of Quantity and Value of Crops irrigated in Sind during the year 1919-1920.

Description of Crops.		Begári Canals District.								
		Desert Canal.			Unhárwah.			Begári Canal.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1		2	3	4	5	6	7	8	9	10
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ...	Rice ...	22,115	9,20,658	42	1,032	49,215	47	57,982	23,97,834	41
	Jowári ...	53,855	15,68,246	29	12,315	3,64,809	29	88,885	24,30,833	27
	Bájri ...	59,458	27,41,209	46	37,168	9,64,653	26	47,561	18,52,738	39
	Cotton ...	823	1,82,177	221	135	13,796	102	123	7,111	58
	Other crops ...	4,291	1,29,464	30	1,789	56,065	31	8,914	3,39,419	38
	Total ...	140,542	55,41,754	39	52,439	14,48,538	28	203,465	70,27,935	34
Rabi ...	Wheat ...	34,323	21,32,992	62	22,130	10,37,022	47	24,513	12,57,110	51
	Barley ...	9	308	34	3	76	25	15	512	34
	Oil-seeds ...	9,053	1,75,460	19	3,655	54,988	15	16,536	4,15,915	25
	Other crops ...	23,877	4,11,778	17	13,004	1,29,198	10	64,297	13,47,388	21
	Total ...	67,262	27,20,538	40	38,792	12,21,284	31	105,361	30,20,925	29
Total under both Heads ...		207,804	82,62,292	40	91,231	26,69,822	29	308,826	1,00,48,860	33

Description of Crops.		Begári Canals District—*concluded*.						Shikárpur Canals District.		
		Canals from Káshmor Bund.			Total.			Mahiwáh.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1		11	12	13	14	15	16	17	18	19
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ...	Rice ...	318	8,912	28	81,447	33,76,619	41	2,556	54,288	21
	Jowári ...	1,229	31,848	26	156,284	43,95,736	28	24,829	4,18,133	17
	Bájri ...	1,673	61,244	37	145,860	56,19,844	38	10,654	1,84,662	17
	Cotton ...	21	1,512	72	1,102	2,04,596	186	297	6,467	22
	Other crops ...	272	3,458	13	15,266	5,28,406	35	2,656	1,12,810	42
	Total ...	3,513	1,06,974	30	399,959	1,41,25,201	35	40,992	7,76,360	19
Rabi ...	Wheat ...	2,082	1,25,808	60	83,048	45,52,932	55	16,653	3,96,768	24
	Barley ...	4	113	28	31	1,009	33	52	1,128	22
	Oil-seeds ...	120	1,297	11	29,364	6,47,660	22	2,206	31,071	14
	Other crops ...	460	3,725	8	101,638	18,92,089	19	2,913	1,14,700	39
	Total ...	2,666	1,30,943	49	214,081	70,93,690	33	21,824	5,43,667	25
Total under both Heads ...		6,179	2,37,917	39	614,040	2,12,18,891	35	62,816	13,20,027	21

STATEMENT III-E—*continued.*

SHIKÁRPUR CANALS DISTRICT—*continued.*

Description of Crops.	Canals in Rohri.			Sind Canal.			Rajib Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	20	21	22	23	24	25	26	27	28
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	2,599	64,120	25	21,514	6,14,539	29	1,722	68,880	40
Kharif ... Jowári ...	31,006	5,54,363	18	31,253	4,10,922	13	4,144	99,456	24
Kharif ... Bájri ...	2,384	33,669	14	2,079	31,250	15	2	60	30
Kharif ... Cotton ...	492	12,400	25	53	2,220	42	21	840	40
Kharif ... Other crops ...	1,769	63,630	36	4,301	1,36,516	32	264	8,976	34
Kharif ... Total ...	38,250	7,28,182	19	59,200	11,95,447	20	6,153	1,78,212	29
Rabi ... Wheat ...	16,227	3,43,016	21	11,367	2,74,456	24	1,936	69,696	36
Rabi ... Barley ...	81	1,848	23	4	77	19	1	21	21
Rabi ... Oil-seeds ...	929	15,628	17	3,019	14,303	5	280	1,680	6
Rabi ... Other crops ...	1,583	37,890	24	13,540	2,66,288	20	2,319	64,932	28
Rabi ... Total ...	18,820	3,98,382	21	27,930	5,55,124	20	4,536	1,36,329	30
Total under both Heads ...	57,070	11,26,564	20	87,130	17,50,571	20	10,689	3,14,541	29

SHIKÁRPUR CANALS DISTRICT—*continued.*

Description of Crops.	Chitti Canal.			Garang Canal.			Bunds in Rohri.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	29	30	31	32	33	34	35	36	37
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	721	28,840	40	116	4,640	40	...	...	...
Kharif ... Jowári ...	4,072	97,728	24	2,807	67,368	24	17	272	16
Kharif ... Bájri ...	...	..	...	37	1,110	30	2	32	16
Kharif ... Cotton ...	12	480	40	7	280	40	...	...	...
Kharif ... Other crops ...	407	13,838	34	219	7,446	34	11	440	40
Kharif ... Total ...	5,212	1,40,886	27	3,186	80,844	25	30	744	25
Rabi ... Wheat ...	2,092	75,312	36	1,437	51,732	36	83	2,214	27
Rabi ... Barley ...	...	...	...	1	21	21	1	20	20
Rabi ... Oil-seeds ...	175	1,050	6	107	642	6	8	67	8
Rabi ... Other crops ...	2,355	65,940	28	1,802	50,456	28	...	...	...
Rabi ... Total ...	4,622	1,42,302	31	3,347	1,02,851	31	92	2,301	25
Total under both Heads ...	9,834	2,83,188	30	6,533	1,83,695	28	122	3,045	25

STATEMENT III-E—*continued.*

Description of Crops.	Shikárpur Canals District—*concluded.*								
	Sukkur Begári Bund.			Kásimpur Bund.			Total.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	38	39	40	41	42	43	44	45	46
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	477	19,080	40	...	...	...	29,705	8,54,387	29
Kharif ... Jowári ...	3,177	74,946	24	558	15,066	27	1,01,863	17,38,254	17
Kharif ... Bájri ...	76	2,010	26	1	27	27	15,235	2,52,820	17
Kharif ... Cotton ...	29	1,160	40	2	72	36	913	23,919	26
Kharif ... Other crops ...	107	3,652	34	26	1,040	40	9,760	3,48,348	36
Kharif ... Total ...	3,866	1,00,848	26	587	16,205	28	157,476	32,17,728	20
Rabi ... Wheat ...	3,622	1,24,260	34	633	16,604	26	54,050	13,54,058	25
Rabi ... Barley ...	2	42	21	...	...	...	142	3,157	22
Rabi ... Oil-seeds ...	312	1,992	6	13	325	25	7,049	66,758	9
Rabi ... Other crops ...	1,805	50,532	28	17	560	33	26,334	6,51,298	25
Rabi ... Total ...	5,741	1,76,826	31	663	17,489	26	87,575	20,75,271	24
Total under both Heads ...	9,607	2,77,674	29	1,250	33,694	27	245,051	52,92,999	22

Description of Crops.	Ghár Canals District.								
	Sukkur Canal.			Ghár Canal.			Ghár Bunds.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	47	48	49	50	51	52	53	54	55
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	38,390	9,95,779	26	171,094	40,67,957	24	14	560	40
Kharif ... Jowári ...	24,552	3,85,843	16	48,925	5,96,360	12	192	4,510	23
Kharif ... Bájri ...	1,077	21,730	20	1,251	15,155	12	1	30	30
Kharif ... Cotton ...	99	10,351	105	130	4,669	36	...	...	...
Kharif ... Other crops ...	3,897	3,06,351	79	5,283	1,10,938	21	72	2,388	33
Kharif ... Total ...	68,015	17,20,054	25	226,683	47,95,079	21	279	7,488	27
Rabi ... Wheat ...	18,712	4,68,586	25	31,834	7,00,487	22	308	10,960	36
Rabi ... Barley ...	4	58	14	43	565	13	1	21	21
Rabi ... Oil-seeds ...	5,902	73,797	13	31,961	2,88,565	9	27	138	5
Rabi ... Other crops ...	18,428	2,77,451	15	72,036	10,28,593	14	46	1,288	28
Rabi ... Total ...	43,046	8,19,892	19	135,874	20,18,210	15	382	12,407	32
Total under both Heads ...	111,061	25,39,946	23	362,557	68,13,289	19	661	19,895	30

STATEMENT III-E—*continued.*

Description of Crops.	Ghár Canals District—*concld.*			Kara'ohi Canals District.			Western Nára District.		
	Total.			Canals and Bunds.			Canals and Bunds.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	56	57	58	59	60	61	62	63	64
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	209,498	50,64,296	24	202,346	80,93,840	40	157,170	52,87,112	34
Kharif ... Jowári ...	73,669	9,86,713	13	688	20,640	30	73,399	15,98,498	22
Kharif ... Bájri ...	2,329	36,915	16	10,919	3,27,570	30	3,880	96,887	25
Kharif ... Cotton ...	229	15,020	66	114	11,400	100	444	40,199	91
Kharif ... Other crops ...	9,252	4,19,677	45	4,827	96,540	20	3,984	1,26,890	32
Kharif ... Total ...	294,977	65,22,621	22	218,894	85,49,990	39	238,877	71,49,586	30
Rabi ... Wheat ...	50,854	11,80,033	23	467	14,010	30	63,596	13,94,037	22
Rabi ... Barley ...	48	644	13	12,182	4,87,280	40	2,745	49,769	18
Rabi ... Oil-seeds ...	37,890	3,62,500	9	11,125	2,22,600	20	53,509	4,07,480	8
Rabi ... Other crops ...	90,510	13,07,332	14	20,045	6,01,160	30	59,590	11,48,113	19
Rabi ... Total ...	179,302	28,50,509	16	43,819	13,25,050	30	179,440	29,99,399	17
Total under both Heads ...	474,279	93,73,130	20	262,713	98,75,040	38	418,317	1,01,48,985	24

Description of Crops.	Indus Right Bank Division.			Jámba'o Canal District.			Eastern Nára District.		
	Total.			Jámráo Canal.			Nára Supply Channel.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	65	66	67	68	69	70	71	72	73
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	680,166	2,26,76,254	33	...	...	...	1,799	53,970	30
Kharif ... Jowári ...	405,903	87,39,841	22	6,684	2,26,552	34	2,221	59,967	27
Kharif ... Bájri ...	178,223	63,34,036	36	53,294	19,48,449	37	86	2,322	27
Kharif ... Cotton ...	2,802	2,95,134	105	116,490	76,07,000	65	18	648	36
Kharif ... Other crops ...	43,089	15,19,861	35	5,503	1,28,740	23	169	6,760	40
Kharif ... Total ...	1,310,183	3,95,65,126	30	181,971	99,10,741	54	4,293	1,23,667	29
Rabi ... Wheat ...	252,015	84,95,070	34	69,866	16,93,299	24	7,653	2,02,356	26
Rabi ... Barley ...	15,148	5,41,859	36	209	3,281	15	96	2,880	30
Rabi ... Oil-seeds ...	138,937	17,06,998	12	1,621	22,879	14	1,183	27,200	23
Rabi ... Other crops ...	298,117	55,99,992	19	11,128	2,03,364	18	2,129	83,920	39
Rabi ... Total ...	704,217	1,63,43,919	23	82,824	19,22,823	23	11,061	3,16,356	29
Total under both Heads ...	2,014,400	5,59,09,045	28	264,795	1,18,33,564	45	15,354	4,40,023	29

STATEMENT III-E—*continued.*

Description of Crops.	Eastern Nára District—*continued.*								
	Eastern Nára.			Mithráo Canal.			Thar Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	74	75	76	77	78	79	80	81	82
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	11,757	6,46,382	55	36,183	17,64,398	49	37,695	31,09,838	83
Jowári ...	171	3,345	19	858	17,313	20	47	689	15
Bájri ...	14,133	4,13,979	29	20,664	5,52,880	27	1,650	39,600	24
Cotton ...	6,081	1,58,189	26	37,890	13,01,686	34	4,544	1,36,320	30
Other crops...	150	3,820	25	711	17,327	24	473	18,920	40
Total ...	32,292	12,25,715	38	96,306	36,53,604	38	44,409	33,05,367	74
Rabi ... Wheat ...	6,186	1,67,399	27	8,027	2,00,979	25	3,732	1,02,630	28
Barley ...	135	3,227	24	113	1,540	14	14	196	14
Oil-seeds ...	2,154	45,760	21	490	9,837	20	1,306	8,707	7
Other crops...	1,761	36,222	21	809	13,675	17	2,276	1,08,232	48
Total ...	10,236	2,52,608	25	9,439	2,26,031	24	7,328	2,19,765	30
Total under both Heads ...	42,528	14,78,323	35	1,05,745	38,79,635	37	51,737	35,25,132	68

Description of Crops.	Eastern Nára District—*continued.*					
	Khipro Canal.			Hiral Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	83	84	85	86	87	88
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	243	17,815	73	5,335	1,46,712	27
Jowári ...	1	22	22	12	162	14
Bájri ...	1,902	60,864	32	4,686	1,12,464	24
Cotton ...	98	2,940	30	4,674	2,52,396	54
Other crops...	9	171	19	82	2,460	30
Total ...	2,253	81,812	36	14,789	5,14,194	35
Rabi ... Wheat ...	32	1,174	37	1,690	28,730	17
Barley ...	...	...	...	4	52	13
Oil-seeds ...	124	3,472	28	209	2,299	11
Other crops...	12	108	9	74	1,480	20
Total ...	168	4,754	28	1,977	32,561	16
Total under both Heads ...	2,421	86,566	36	16,766	5,46,755	33

STATEMENT III-E—*continued.*

Description of Crops.	Eastern Nára District—*concld.*			Nasrat Canals District.					
	Total.			*Dad Canal.			Nasrat Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	89	90	91	92	93	94	95	96	97
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	93,012	57,39,115	62	22,146	5,06,715	23	199	4,058	20
Jowári ...	3,310	81,498	25	25,919	6,73,009	26	27,980	5,62,038	20
Bájri ...	43,121	11,82,109	27	24,266	6,13,893	25	16,909	3,57,958	21
Cotton ...	53,305	18,52,179	35	10,549	5,37,592	51	24,628	11,88,244	48
Other crops ...	1,594	49,458	31	4,313	2,00,929	47	6,904	41,884	7
Total ...	194,342	89,04,359	46	87,293	25,32,138	38	76,620	21,56,380	28
Rabi ... Wheat ...	27,320	7,03,268	26	6,743	2,02,356	30	3,493	1,36,181	39
Barley ...	362	7,895	22	1,047	23,960	23	11	216	20
Oil-seeds ...	5,466	97,275	18	4,712	72,498	15	2,387	48,123	20
Other crops ...	7,061	2,43,637	35	4,456	65,315	15	802	14,342	18
Total ...	40,209	10,52,075	26	16,958	3,64,129	21	6,693	1,98,862	30
Total under both Heads ...	234,551	99,56,434	42	104,251	28,96,267	28	83,313	23,55,742	28

* Includes also figures for Ren Distributary *ex*-Dad which is in charge of the Executive Engineer, Hyderabad Canals District.

Description of Crops.	Nasrat Canals District—*concluded.*						Hyderabad Canals District.		
	Other Canals.			Total.			Allahabar Kachori.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	98	99	100	101	102	103	104	105	106
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	8,219	2,15,266	26	30,564	7,26,037	24	488	17,568	36
Jowári ...	35,853	5,49,300	15	89,752	17,84,347	20	724	15,224	21
Bájri ...	12,996	2,53,048	19	54,271	12,24,599	23	5,925	1,40,746	24
Cotton ...	2,195	80,252	37	37,372	18,06,088	48	2,557	1,39,970	55
Other crops ...	1,983	59,731	30	13,200	3,05,544	23	126	1,810	14
Total ...	61,246	11,57,597	19	225,159	58,46,615	26	9,820	3,15,323	32
Rabi ... Wheat ...	12,329	3,84,673	31	22,565	7,23,210	32	515	21,645	42
Barley ...	700	14,454	21	1,758	38,630	22	...	...	...
Oil-seeds ...	1,580	20,091	13	8,679	1,40,712	16	215	3,686	15
Other crops ...	1,030	16,907	16	6,288	96,564	15	296	3,382	11
Total ...	15,639	4,36,125	28	39,290	9,99,116	25	1,056	28,713	27
Total under both Heads ...	76,885	15,93,722	21	264,449	68,45,731	26	10,876	3,44,036	32

STATEMENT III-E—*continued.*

Description of Crops.	Hyderabad Canals District—*continued.*								
	Great Márak.			Sarfraz.			Other Canals.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	107	108	109	110	111	112	113	114	115
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	6,726	3,33,014	50	1,130	32,196	28	1,082	38,748	36
Kharif ... Jowári ..	2,063	50,192	24	516	20,612	40	4,317	1,05,317	24
Kharif ... Bájri ...	33,845	9,28,962	27	13,837	4,91,364	36	75,921	27,73,846	37
Kharif ... Cotton ...	22,238	14,92,560	67	6,459	2,14,545	33	40,268	16,94,060	42
Kharif ... Other crops ...	1,117	30,747	28	601	37,157	62	4,847	1,86,728	39
Kharif ... Total ...	65,989	28,35,475	43	22,543	7,95,874	35	126,435	47,98,699	38
Rabi ... Wheat ...	995	44,427	45	442	12,885	29	3,426	1,49,034	44
Rabi ... Barley ...	...	...	...	...	...	...	9	259	29
Rabi ... Oil-seeds ...	1,302	16,335	13	468	10,057	21	980	20,850	21
Rabi ... Other crops ...	4,370	53,409	12	1,644	32,588	20	14,874	3,19,909	22
Rabi ... Total ...	6,667	1,14,171	17	2,554	55,530	22	19,289	4,90,052	25
Total under both Heads ...	72,656	29,49,646	41	25,097	8,51,404	34	145,724	52,88,751	36

Description of Crops.	Hyderabad Canals District—*concluded.*			Fuleli Canals District.					
	Total.			Fuleli Canal.			Hassanali Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	116	117	118	119	120	121	122	123	124
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	9,426	4,21,526	45	242,070	70,50,532	29	14,426	4,32,780	30
Kharif ... Jowári ...	7,620	1,91,350	22	3,718	1,41,873	38	113	2,712	24
Kharif ... Bájri ...	129,528	43,34,918	33	66,580	21,14,246	32	2,786	83,580	30
Kharif ... Cotton ...	71,522	35,41,135	50	24,991	7,84,833	31	462	13,860	30
Kharif ... Other crops...	6,691	2,56,442	38	6,888	3,26,294	47	233	13,988	60
Kharif ... Total ...	224,787	87,45,371	39	344,247	1,04,17,778	30	18,020	5,46,920	30
Rabi ... Wheat ...	5,378	2,27,991	42	17,655	3,50,565	20	22	528	24
Rabi ... Barley ...	9	259	29	2,270	49,408	22	123	1,968	16
Rabi ... Oil-seeds ...	2,995	50,928	17	19,112	4,06,894	21	1,166	23,320	20
Rabi ... Other crops...	21,184	4,09,288	19	18,312	3,79,938	21	269	4,145	15
Rabi ... Total ...	29,566	6,88,466	23	57,349	11,86,805	21	1,580	29,961	19
Total under both Heads ...	254,353	94,33,837	37	401,596	1,16,04,583	28	19,600	5,76,881	29

STATEMENT III-E—*concluded.*

Description of Crops.	Fulbli Canals District—*concluded.*					
	Other Canals.			Total.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	125	126	127	128	129	130
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	14,386	4,31,580	30	270,882	79,14,892	29
Kharif ... Jowári ...	297	8,955	30	4,128	1,53,540	37
Kharif ... Bájri ...	8,095	2,71,170	33	77,461	24,68,996	32
Kharif ... Cotton ...	1,731	51,409	30	27,184	8,50,102	31
Kharif ... Other crops ...	449	25,490	57	7,570	3,65,772	48
Kharif ... Total ...	24,958	7,88,604	32	387,225	1,17,53,302	30
Rabi ... Wheat ...	459	12,450	27	18,136	3,63,543	20
Rabi ... Barley ...	281	7,016	25	2,674	58,392	22
Rabi ... Oil-seeds ...	1,264	22,820	18	21,542	4,58,034	21
Rabi ... Other crops ...	1,560	31,603	20	20,141	4,15,686	21
Rabi ... Total ..	3,564	73,889	21	62,493	12,90,655	21
Total under both Heads ..	28,522	8,62,493	30	449,718	1,30,43,957	29

Description of Crops.	Indus Left Bank Division.			Grand Total for Sind.		
	Total.					
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	131	132	133	134	135	136
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	403,884	1,48,01,570	37	1,084,050	3,74,77,824	35
Kharif ... Jowári ...	111,494	24,37,287	22	517,397	1,11,77,128	22
Kharif ... Bájri ...	357,675	1,11,59,071	31	535,898	1,74,98,107	33
Kharif ... Cotton ...	305,873	1,56,56,504	51	308,675	1,59,51,638	52
Kharif ... Other crops ...	34,558	11,05,956	32	77,647	26,25,817	34
Kharif ... Total ...	1,213,484	4,51,60,388	37	2,523,667	8,47,25,514	34
Rabi ... Wheat ...	143,265	37,11,311	26	395,280	1,22,06,381	31
Rabi ... Barley ...	5,012	1,08,457	22	20,160	6,50,316	32
Rabi ... Oil-seeds ...	40,303	7,64,828	19	179,240	24,71,826	14
Rabi ... Other crops ...	65,802	13,68,539	21	363,919	69,68,531	19
Rabi ... Total ...	254,382	59,53,135	23	958,599	2,22,97,054	23
Total under both Heads ...	1,467,866	5,11,13,523	35	3,482,266	10,70,22,568	31

STATEMENT

Comparative Statement of Irrigation and Rainfall for

Civil District.	Of the Civil District.			Works supplying Irrigation.			Culturable Area commanded by the Irrigation Works in column 6 in Acres.
	Total Area in Acres.	Culturable Area in Acres.	Cultivated Area in Acres.	No.	Name.		
1	2	3	4	5	6		7
	Acres.	Acres.	Acres.				Acres.
Khelat Territory.	513,195	276,920	86,713	1	Desert Canal		101,493
				2	Begári Canal		180,000
						Total	281,493
Upper Sind Frontier.	1,722,810	1,238,767	556,897	3	Desert Canal		287,492
				4	Unharwáh		214,056
				5	Begári Canal		416,887
				6	Canals from Kashmor Bund ..		29,461
				7	Sukkur Canal		50,618
				8	Ghár Canal		53,714
				9	Sind Canal		4,119
				10	Canals in Rohri		...
						Total ..	1,056,287
Sukkur Collectorate.	3,590,566	632,389	356,526	11	Begári Canal		83,334
				12	Sukkur Canal		58,056
				13	Ghár Canal		942
				14	Ghár Bunds		2 940
				15	Mahiwáh		145,445
				16	Sind Canal		186,919
				17	Canals in Rohri		146,498
				18	Garang Canal		17,900
				19	Rajib Canal		12,400
				20	Chitti Canal		18,200
				21	Bunds in Rohri		450
				22	Sukkur-Begári Bund		19,268
				23	Kásimpur Bund		5,000
				24	Nára Supply Channel		25,000
						Total ..	722,352
Lárkána Collectorate.	1,765,711	1,191,268	620,581	25	Begári Canal		180
				26	Sukkur Canal		60,620
				27	Ghár Canal		378,317
				28	Ghár Bunds		220
				29	Sind Canal		60
				30	Western Nára		345,264
				31	New Feeder		1,650
				32	Pritchard Canal		19,441
				33	Wahurwah		7,200
				34	Marvi		9,721
				35	Dádu Canal		30,654
				36	Phitta Canal		14,460
				37	Manchar		23,500
				38	Aral		11,060
				39	Nára Bunds		9,793
						Total ..	912,030
Karáchi Collectorate.	5,498,556	1,863,867	268,622	40	Canals north of Kotri		21,780
				41	Bunds north of Kotri		1,150
				42	Kalri		40,317
				43	Baghar		95,101
				44	Pinyári		185,600
				45	Indus Canals, Right Bank		193,701
				46	Indus Canals, Left Bank		84,048
				47	Suttah		34,294
				48	Bunds, Right Bank		804
				49	Bunds, Left Bank		6,773
				50	Other Canals (Mulchand)		15,294
						Total ...	679,062

IV-E.

the years 1918-1919 and 1919-1920 in Sind.

Area at present estimated as annually irrigated by the works, specified in column 6.	Area irrigated in Acres.						Rainfall.		Remarks.
	1918-1919.			1919-1920.			1918-1919.	1919-1920.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Ins. cts.	Ins. cts.	
65,000	11,532	25,837	37,369	38,889	9,956	48,795	1 36	3 37	
30,000	8,252	3,598	11,850	22,100	235	22,335	2 03	3 59	
95,000	19,784	29,435	49,219	60,939	10,191	71,130			
130,000	48,374	43,597	91,971	101,703	57,306	159,009	1 36	3 37	
70,000	35,721	18,241	53,962	52,439	38,792	91,231	1 5	3 75	
200,000	107,370	39,551	146,921	136,477	86,838	223,315	2 03	3 59	
4,000	2,566	1,656	4,222	3,513	2,666	6,179	1 95	3 07	
36,587	8,167	3,036	11,203	9,167	7,618	16,785	4 3	2 78	
20,185	8,534	870	9,404	11,369	4,868	16,237	4 3	2 78	
...	103	...	103	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	
460,772	210,335	106,951	317,786	314,668	198,088	512,756			
50,000	32,393	8,374	40,767	44,888	18,288	63,176	2 03	3 59	
49,166	14,429	5,776	20,205	20,123	11,719	31,842			
550	394	39	433	152	360	512	0 96	3 20	
1,900	257	196	453	279	312	591			
99,000	26,071	7,041	33,112	40,992	21,824	62,816			
111,372	41,654	12,488	54,142	59,200	27,930	87,130			
82,968	26,435	6,065	32,500	38,250	18,820	57,070			
9,500	2,371	1,359	3,730	3,186	3,347	6,533			
11,300	3,704	2,535	6,239	6,153	4,536	10,689	5 43	32 14	
14,500	3,269	3,009	6,278	5,212	4,622	9,834			
180	44	60	104	30	92	122			
13,000	1,703	1,666	3,369	3,866	5,741	9,607			
4,000	467	88	555	587	663	1,250			
12,200	1,377	8,767	10,144	4,293	11,061	15,354	...	...	
459,636	154,568	57,463	212,031	227,211	129,315	356,526			
125	39	...	39	...	...	...	2 8	3 59	
49,359	31,898	7,761	39,659	38,725	23,709	62,434			
321,561	173,235	89,396	262,631	215,162	130,646	345,808	2 0	11 79	
75	...	...	...	...	70	70			
30	...	...	...	...	...	...	...	...	
309,858	142,276	66,786	209,062	201,701	133,997	335,698			
1,650	445	102	547	1,138	596	1,734			
11,500	4,734	1,050	5,784	9,700	2,655	12,355			
5,180	1,561	239	1,800	1,801	2,061	3,862			
6,700	2,119	398	2,517	2,644	1,717	4,361	0 97	3 21	
21,550	6,292	4,332	10,624	7,320	7,405	14,725			
14,400	2,677	447	3,124	2,418	1,328	3,746			
23,500	1,021	4,351	5,372	1,434	13,984	15,418			
8,000	1,562	3,376	4,938	4,176	10,259	14,435			
7,960	1,356	217	1,573	1,527	1,123	2,650			
781,448	389,215	178,455	547,670	487,746	329,550	817,296			
12,963	3,536	2,882	6,418	5,018	4,282	9,300	0 97	3 21	
50	...	57	57	...	33	33			
28,900	10,937	1,489	12,426	15,685	3,322	19,007	0 89	8 57	
51,800	26,171	3,561	29,732	29,198	7,869	37,067	0 89	9 42	
119,620	70,733	14,669	85,402	94,289	15,987	110,276	1 13	21 88	
49,600	26,801	2,986	29,787	24,813	8,254	33,067	1 08	9 94	
42,258	30,426	2,584	33,010	35,726	6,828	42,554	1 06	20 64	
17,229	13,490	549	14,039	15,966	904	16,870	0 75	28 44	
500	4,672	450	5,122	258	49	307	1 05	10 70	
4,747	3,408	372	3,780	2,959	606	3,565	0 91	17 57	
5,000	4,906	1,000	5,906	4,297	797	5,094	...	...	
332,667	195,080	30,599	225,679	228,209	48,931	277,140			

STATEMENT

Civil District.	Of the Civil District.			Works supplying Irrigation.			Culturable Area commanded by the Irrigation Works, in column 6 in Acres.
	Total Area in Acres.	Culturable Area in Acres.	Cultivated Area in Acres.	No.	Name.		
1	2	3	4	5	6		7
	Acres.	Acres.	Acres.				Acres.
Thar and Párkar	8,727,691	4,191,447	962,394	51	Jámráo Canal		621,103
				52	Eastern Nára		501,750
				53	Mithráo Canal		406,820
				54	Khipro Canal		33,745
				55	Thar Canal		136,000
				56	Hiral Canal		49,690
				57	Gháro Mahmudo		40,300
				58	Kari Shumali		26,600
						Total ...	1,816,008
Nawabshah Collectorate.	2,495,386	1,689,638	477,087	59	Jamráo Canal		204,320
				60	Mehrabwah		63,787
				61	Nasrat Canal		323,511
				62	Naulákhi		162,528
				63	Dámbro		51,297
				64	Dad Canal		311,496
				65	Ren Distributary *ex* Dad		40,658
				66	Renwah		90,500
				67	Alibahar Kacheri		49,653
				68	Great Márak		171,670
				69	Gháro Mahmudo		57,380
				70	Other Canals		119,157
						Total ...	1,645,957
Hyderabad Collectorate.	2,934,500	1,826,216	608,231	71	Jámráo Canal		...
				72	Alibahar Kacheri		2,247
				73	Great Márak		76,730
				74	Gháro Mahmudo		270,700
				75	Sarfraz		139,400
				76	Kari Shumali		185,500
				77	Nasirwah		127,300
				78	Other Canals		530
				79	Fuleli Canal		1,437,500
				80	Hasanali Canal		84,000
				81	Other Canals		95,900
						Total ...	2,419,807
	27,248,415	12,410,512	3,937,051			Grand Total	9,533,046

Note.—(1) The difference in the figures of columns 2, 3 and 4 as compared with

(2) The variations from last years figures in Column 7 are due to the and therefore the annual

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IV-E—*concluded.*

Area at present estimated as annually irrigated by the Works specified in Column 6.	Area irrigated in Acres						Rainfall		Remarks.
	1918-1919			1919-1920.			1918-1919.	1919-1920.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Ins. cts.	Ins. cts.	
207,034	118,425	58,502	176,927	137,344	68,354	205,698	2 87	8 32	
90,900	21,970	3,678	25,648	32,292	10,236	42,528	1 60	9 51	
143,500	101,216	5,163	106,379	96,306	9,439	105,745	2 3	6 75	
8,000	2,418	1	2,419	2,253	168	2,421	0 99	9 54	
50,000	50,134	2,587	52,721	44,409	7,328	51,737	1 89	14 48	
15,700	11,902	530	12,432	14,789	1,977	16,766	2 27	11 69	
(a)	5,781	198	5,979	5,455	209	5,664	1 21	5 3	(a) Included in Hyderabad Collectorate. Separate figures not available.
(a)	4,432	87	4,519	3,924	97	4,021	1 1	5 29	
515,134	316,278	70,746	387,024	336,772	97,808	434,580			
68,107	40,706	13,699	54,405	44,622	14,467	59,089	1 22	3 65	
6,000	6,464	218	6,682	7,168	421	7,589	0 36	2 42	
82,000	57,646	1,890	59,536	76,620	6,693	83,313	0 38	2 39	
45,000	38,695	5,329	44,024	38,446	9,019	47,465	0 36	2 42	
11,000	10,955	1,286	12,241	10,830	2,710	13,540	0 39	2 50	
94,000	69,756	8,054	77,810	80,312	15,789	96,101	0 70	3 15	
11,285	6,815	637	7,452	6,981	1,169	8,150	0 85	3 1	
20,150	242	65	307	235	82	317	0 85	3 1	
12,500	8,249	479	8,728	8,470	859	9,329	0 91	3 44	
66,020	55,091	3,883	58,977	59,632	5,685	65,317	0 99	3 51	
24,000	18,719	2,057	20,776	19,873	2,615	22,488	1 21	5 3	
62,350	7,622	2,694	10,316	5,361	3,934	9,295	0 63	2 62	
502,412	320,963	40,291	361,254	358,550	63,443	421,993			
...	4	...	4	5	3	8	...	...	
18,300	1,330	3	1,333	1,350	197	1,547	0 91	3 44	
58,350	5,691	554	6,245	6,357	982	7,339	0 99	3 51	
68,200	37,399	8,093	45,492	40,856	9,676	50,532	1 21	5 3	
40,800	19,252	1,643	20,895	22,543	2,554	25,097	1 84	6 78	
43,000	31,683	2,119	33,802	31,257	2,389	33,646	1 1	5 29	
30,250	23,040	3,932	26,972	24,268	3,706	27,974	1 12	4 14	
(b)	19	25	44	8	70	78	...	...	(b) Included in Nawabshah Collectorate. Separate figures not available.
400,000	298,780	62,668	361,448	344,247	57,349	401,596	2 24	10 90	
21,000	16,087	1,274	17,361	18,020	1,580	19,600	2 88	10 36	
30,000	14,518	1,999	16,517	20,661	2,767	23,428	2 30	9 15	
* 709,900	447,803	82,310	530,113	509,572	81,273	590,845			
3,856,969	2,034,526	596,250	2,630,776	2,523,667	958,599	3,482,266			

the last year is due to revised figures reported by the Revenue Authorities.

act that large unassessed numbers have not any settled source of irrigation shown in the survey records calculations must naturally vary.

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